



# Alcatel-Lucent 5620

## SERVICE AWARE MANAGER

### ALARM REFERENCE

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## 1.1 5620 SAM Alarm Reference overview

The *5620 SAM Alarm Reference* describes all the alarms that the 5620 SAM can raise. The alarms are organized into chapters by NE type, and each alarm is presented in tabular format. Alarms that apply to multiple NE types have multiple entries in this guide; the only difference in the tables for these alarms is the applicable major NE release information.

See the *5620 SAM Troubleshooting Guide* for information about using alarms to troubleshoot the managed network. See the *5620 SAM User Guide* for information about alarm support, policies, and management using the 5620 SAM.

Table 1-1 contains a sample alarm entry.

**Table 1-1 EquipmentDegraded**

Alarm	Attributes	Applicable major NE releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

The table title for an alarm entry is the alarm name. When the same alarm name is found in multiple packages, the table title includes the package name in parentheses. Each alarm entry contains the following information:

- Name—the alarm name, and the alarm name ID in parentheses
- Type—the alarm type, and the type ID in parentheses
- Package—the containing package of the alarm, which maps to a package in the *5620 SAM-O XML Reference*
- Raised on class—the package and object class in *package.class* format
- Severity—the alarm default severity level
- Implicitly cleared—whether the alarm automatically clears when the clearing alarm condition is true
- Default probable cause—the typical probable cause of the alarm, and the probable cause ID in parentheses
- Applicable major NE releases—the major device releases against which the alarm can be raised; the releases are applicable to the device specified in the chapter title
- Description—the alarm description

- Raising condition—a logic statement that describes the internal 5620 SAM parameter values that initiate the raising of the alarm
- Clearing condition—a logic statement that describes the internal 5620 SAM parameter values that initiate the clearing of the alarm
- Remedial action—a statement or series of steps recommended by Alcatel-Lucent as the fault clearance procedure for the alarm

## 1.2 NE-specific alarm information

This section describes additional alarm support information for specific NEs.

### Unspecified NE alarms

Unspecified NE alarms are alarms that are not yet directly associated with one or more NE types.



**Note** — Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. For NE-specific information about an unspecified NE alarm, contact Alcatel-Lucent technical support.

### 5620 SAM platform alarms

5620 SAM platform alarms are alarms that the 5620 SAM raises in response to a condition in the 5620 SAM system that is not associated with an NE, for example, a database fault or the crossing of a disk-capacity threshold.

### 9471 WMM alarms

The 9471 WMM is based on a platform that supports many different applications. Some of the alarms that are described in this document apply to platform functions that the 9471 WMM does not utilize. Therefore, the 5620 SAM does not raise some of the 9471 WMM alarms listed in this document.

Some 9471 WMM alarm attributes are dynamic and are populated at runtime. Due to their dynamic nature, the following 9471 WMM alarm attributes are assigned generic values in this document:

- severity
- probable cause
- alarm type



**Note** — 9471 WMM alarms are provided in this document as a courtesy to assist in alarm identification and mapping. The *Alcatel-Lucent 9471 Wireless Mobility Manager (WMM) Alarm Dictionary 418-111-208* is the primary source for 9471 WMM alarm information.

## eNodeB alarms and events

The eNodeB supports the following notification types:

- Alarms—fault notifications that are assigned one of the standard severity levels. Alarms are displayed in the alarms window and the Faults tab of NE and object properties forms.
- Events—notifications or warnings about specific NE actions. Events are displayed in the Events Log tab of the ENB Equipment properties form on a per-NE basis.

Each alarm that originates from an eNodeB is named with an InfoKey ID. An alarm that the 5620 SAM raises in response to network conditions that involve an eNodeB is named using the standard format.

See the *Alcatel-Lucent 9412 eNodeB Alarms and Events Reference Guide* for more information about eNodeB alarms and events, including impact to network operation.

### Specific problem field for eNodeB alarms

The user-friendly name of eNodeB InfoKey alarms and events is represented by the “specific problem” field in the 5620 SAM alarm schema. In this document, the specific problem is appended to the alarm table title and displayed inside the table along with the specific problem ID number.

### ADAC alarms

eNodeB alarms that are defined with Alarm Nature = ADAC (auto....) are shown in 5620 SAM GUI as Implicitly cleared = “true” and are represented in the 9400 NEM with Alarm Nature = ADAC ().

### eNodeB software upgrade alarms

The 5620 SAM raises the NodeUpgraded info alarm when a managed eNodeB successfully undergoes an upgrade to a major software release, such as from LA6.0 to LR13.1.L. The 5620 SAM does not raise the alarm for software updates to maintenance releases or corrective loads within a major release, such as from LR13.1.L to LR13.1.L CL1.

## 9500 MPR alarms

See *Alcatel-Lucent 9500 MPR Maintenance and Trouble Clearing* for a listing of detailed remedial action procedures for 9500 MPR alarms.

## 1830 PSS alarms

See the *Alcatel-Lucent 1830 PSS Maintenance and Trouble-clearing User Guide* for a listing of detailed remedial action procedures for 1830 PSS alarms.

## External EMS alarms

Alarms that originate from external EMS that the 5620 SAM can manage, such as the 9959 NPO, are often dynamic and can be customized by users. The 5620 SAM has no information about an external EMS alarm until the alarm is sent to the 5620 SAM. Therefore, external EMS alarms are not described in this document. See the documentation of the relevant EMS for more information about the alarms that it can send to the 5620 SAM.

## 1.3 Alarm information in other formats

The alarm information in this document is also available in CSV and XML formats. You can use the `alarmDetails.csv` and `alarmDetails.xml` alarm reference files to tailor the alarm information to your requirements. For example, you can compare the files to determine what alarm information changes between 5620 SAM releases. Contact your Alcatel-Lucent support representative for more information.

## 1.4 OSS alarm monitoring

See the *5620 SAM XML OSS Interface Developer Guide* for information about managing alarms using a 5620 SAM OSS client.

## 1.5 New alarms by 5620 SAM release

This section lists the new alarms for each 5620 SAM release by alarm name and alarm ID. Consider the following statements when reviewing the information in this section:

- The alarm name identifies an alarm in the 5620 SAM GUI. The alarm ID identifies an alarm over OSS.
- Alarm IDs are unique. When an alarm is no longer supported by the 5620 SAM, the alarm ID is not reused by a new alarm.
- If an alarm is renamed, it is typically assigned a new alarm ID. Therefore, renamed alarms can be listed in this section as new. These alarms existed under different alarm names and alarm IDs in previous releases of the 5620 SAM.

For more information about the alarms listed in this section, see the relevant alarm information tables in the NE-specific chapters of this document.

## Maintenance releases

Some maintenance releases may not be listed in this section because no new alarms were added.

## New alarms for 5620 SAM Release 12.0 R5

Table 1-2 lists the new alarms for 5620 SAM Release 12.0 R5.

**Table 1-2 New alarms for 5620 SAM Release 12.0 R5**

Alarm name	Alarm ID
AAA_addressPoolExhausted	5673
AAA_centralAAAFailure	5674
actionsaborted	6248
actionsfailed	6249
actionsqueued	6250
actionsqueuedfunctionsaddobject	6251
actionsqueuedfunctionsbackup	6252
actionsqueuedfunctionsconfigurationdownload	6253
actionsqueuedfunctionsconfigurationupload	6254
actionsqueuedfunctionsconnect	6255
actionsqueuedfunctionsdeleteobject	6256
actionsqueuedfunctionsfactoryreset	6257
actionsqueuedfunctionsfirmwareupdate	6258
actionsqueuedfunctionsgetoptions	6259
actionsqueuedfunctionsgetparameterattributes	6260
actionsqueuedfunctionsgetparameternames	6261
actionsqueuedfunctionsgetparametervalues	6262
actionsqueuedfunctionsgetqueuedtransfers	6263
actionsqueuedfunctionsgetrpcmethods	6264
actionsqueuedfunctionsreboot	6265
actionsqueuedfunctionsrestore	6266
actionsqueuedfunctionsscheduleinform	6267
actionsqueuedfunctionssetparameterattributes	6268
actionsqueuedfunctionssetparametervalues	6269
actionsqueuedfunctionssetvouchers	6270
actionsqueuedfunctionssnmpgetparametervalues	6271
actionsqueuedfunctionssnmpsetparametervalues	6272
actionsucceeded	6273
ActiveLoopback	8074
AddressAttachFailed	8134
AggregatedVFLPortDown	5436
AGPS_agpsServiceFailure	5676
AGPS_noAGPSInfoInUEBasedAGPS	5677
AGPS_notEnoughAGPSInfo	5678
AGPSProxy_agpsServiceFailure	5675

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Alarm name	Alarm ID
AlarmIndicationSignal	8075
AMCSlot_deviceInstalledAssert	5679
AMCSlot_deviceInstalledDeassert	5680
AMCSlot_ds75DeviceInstalledCriticalAssert	5681
AMCSlot_ds75DeviceInstalledCriticalDeassert	5682
AMCSlot_ds75DeviceInstalledMajorAssert	5683
AMCSlot_ds75DeviceInstalledMajorDeassert	5684
AMCSlot_ds75DeviceInstalledMinorAssert	5685
AMCSlot_ds75DeviceInstalledMinorDeassert	5686
AMCSlot_info12vDeviceInstalledAssert	5687
AMCSlot_info12vDeviceInstalledDeassert	5688
AMCSlot_info3vDeviceInstalledAssert	5689
AMCSlot_info3vDeviceInstalledDeassert	5690
AMCSlot_info5vDeviceInstalledAssert	5691
AMCSlot_info5vDeviceInstalledDeassert	5692
Application4G_droppingS1Traffic	5693
Application4G_failedToDecodeMMESentMsg	5694
Application4G_failedToSendDataToHeNB	5695
Application4G_failedToSendDataToMME	5696
Application4G_henbIdClash	5698
Application4G_henbIntegrityViolation	5699
Application4G_heNbOutOfService	5697
Application4G_invalidHeNBS1SetupMessage	5700
Application4G_invalidS1flexConfiguration	5701
Application4G_massHeNbOutOfService	5702
Application4G_newHeNBS1SetupRejectedDueToOverload	5703
AppIPersonelAttnRequired	5602
AssymmetricalLANConnection	5603
AtcaAlarmCard_e1InfraAlarm	5704
AtcaAlarmCard_e2InfraAlarm	5705
AtcaAlarmCard_e3InfraAlarm	5706
AtcaAlarmCard_e4InfraAlarm	5707
AtcaAlarmCard_pdu	5708
AtcaAlarmCard_pduBreakerPwr	5709
AtcaAlarmCard_pduFeedPwr	5710
AtcaAlarmCard_powerFailure	5711
AtcaAlarmCard_telcoAlarmInput	5712

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Alarm name	Alarm ID
AtcaFanTray_fanAgingDown1	5713
AtcaFanTray_fanAgingDown2	5714
AtcaFanTray_fanAgingDown3	5715
AtcaFanTray_fanAgingDown4	5716
AtcaFanTray_fanAgingDown5	5717
AtcaFanTray_fanAgingDown6	5718
AtcaFanTray_fanAgingRear1	5719
AtcaFanTray_fanAgingRear2	5720
AtcaFanTray_fanAgingRear3	5721
AtcaFanTray_fanAgingRear4	5722
AtcaFanTray_fanAgingRear5	5723
AtcaFanTray_fanAgingRear6	5724
AtcaFanTray_fanAgingUp1	5725
AtcaFanTray_fanAgingUp2	5726
AtcaFanTray_fanAgingUp3	5727
AtcaFanTray_fanAgingUp4	5728
AtcaFanTray_fanAgingUp5	5729
AtcaFanTray_fanAgingUp6	5730
AtcaShelf_alarmCardAbsence	5755
AtcaShelfManager_boardFilterAbsence	5731
AtcaShelfManager_cpIdSensor	5732
AtcaShelfManager_fanTrayLowAbsence	5733
AtcaShelfManager_fanTrayRearAbsence	5734
AtcaShelfManager_fanTraysFRUcriticalFailure	5736
AtcaShelfManager_fanTrayUpAbsence	5735
AtcaShelfManager_i2cLocalBus	5737
AtcaShelfManager_i2cMasterResourceHighLimit	5738
AtcaShelfManager_i2cMasterResourceMidLimit	5739
AtcaShelfManager_ipmbLinkDown	5740
AtcaShelfManager_lm75TempDownHighLimit	5741
AtcaShelfManager_lm75TempDownMidLimit	5742
AtcaShelfManager_lm75TempUpHighLimit	5743
AtcaShelfManager_lm75TempUpMidLimit	5744
AtcaShelfManager_pwrRedDegraded	5745
AtcaShelfManager_pwrRedLost	5746
AtcaShelfManager_pwrRedRegained	5747
AtcaShelfManager_rebootReason	5748

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Alarm name	Alarm ID
AtcaShelfManager_rtmFilterAbsence	5749
AtcaShelfManager_shelfFRUcriticalFailure	5750
AtcaShelfManager_shelfFRUminorFailure	5751
AtcaShelfManager_shelfManagerConnectionFailure	5752
AtcaShelfManager_shelfManagerInNonRedundantState	5753
AtcaShelfManager_shelfManagerUnAvailable	5754
AtcaSwitchBaseEthernetIntf_malbanBaseEthernetPortFailure	5756
AtcaSwitchCPU_malban10CPUFailure	5757
AtcaSwitchFabricEthernetIntf_malbanFabricEthernetPortFailure	5758
AtcaSwitchSlot_malbanConnectionFailure	5759
AtcaSwitchSlot_malbanInNonRedundantState	5760
AtcaSwitchSlot_malbanIpmbLinkDown	5761
AtcaSwitchSlot_malbanUnAvailable	5762
AtcaSwitchSlot_malbanVlanCreationFailure	5763
AtcaSwitchSlot_ncpuFatalError	5764
AutomaticInService	8076
BgpProfilePrefixUnreachable	8148
BladeHardware_alarm48VaAssert	5861
BladeHardware_alarm48VaDeassert	5862
BladeHardware_alarm48VbAssert	5863
BladeHardware_alarm48VbDeassert	5864
BladeHardware_bootOkAssert	5865
BladeHardware_bootOkDeassert	5866
BladeHardware_ipmbPhysicalAssert	5867
BladeHardware_ipmbPhysicalDeassert	5868
BladeHardware_lm75localTempCriticalAssert	5871
BladeHardware_lm75localTempCriticalAssLMert	5870
BladeHardware_lm75localTempCriticalDeassert	5873
BladeHardware_lm75localTempCriticalDeassLMert	5872
BladeHardware_lm75LocalTempMajorAssert	5869
BladeHardware_lm75localTempMajorDeassert	5874
BladeHardware_lm75localTempMinorAssert	5875
BladeHardware_lm75localTempMinorDeassert	5876
BladeHardware_ncpuFatalErrAssert	5877
BladeHardware_ncpuFatalErrDeassert	5878
BladeHardware_powerConsumptionMinor	5879
BladeHardware_switchConnectionLost	5880

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Alarm name	Alarm ID
BPG_noBpgMapping	5765
BSG_aBSGueRegTableFull	5766
BSG_allocationOfStreamFail	5767
BSG_bsgppPagingHighRateExceeded	5768
BSG_bsgppPagingLowRateExceeded	5769
BSG_bsrOutOfService	5770
BSG_cellBroadcastConflictingServiceArea	5771
BSG_cellBroadcastInvalidServiceArea	5772
BSG_collapsingLAI	5773
BSG_differentLacRacSameGroup	5774
BSG_differentMacroLacRacDetected	5775
BSG_droppingRANAPTraffic	5776
BSG_failedIMSI Retrieval	5777
BSG_failedToDecodeMSCSentMsg	5778
BSG_failedToSendDataToBSR	5779
BSG_failedToSendDataToMSC	5780
BSG_hnblIntegrityViolation	5781
BSG_imsiDirectoryFull	5782
BSG_incomingHoProvisionError	5783
BSG_invalidBSRIdInBSRRegistrationMessage	5784
BSG_invalidMocnConfiguration	5785
BSG_macroLacRacNotAllowed	5786
BSG_massBsrCsCnConnLost	5787
BSG_massBsrOutOfService	5788
BSG_maximumImsiListThresholdExceeded	5789
BSG_minimumImsiListThresholdExceeded	5790
BSG_newBSRRegistrationRejectedDueToOverload	5791
BSG_newRANAPCallRejectedDueToOverload	5792
BSG_pagingRecordLimitExceeded	5793
BSG_pscInconsistent	5794
BSG_ranapPagingHighRateExceded	5795
BSG_ranapPagingLowRateExceded	5796
BSG_rangeOfStreamIdFromMSCNotSupported	5797
BSG_rangeOfStreamIdNotSupported	5798
BSG_receivedInvalidBSRRegistrationMessage	5799
BSG_registrationOfBSRFailed	5800
BSR_agpsServiceUnavailable	5803

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Alarm name	Alarm ID
BSR_allReservedFemtoCellsInUse	5804
BSR_applicationInsane	5805
BSR_autoconfigfailure	5806
BSR_basebandReconfigfailed	5808
BSR_bCHGuardTimeExpired	5807
BSR_bsrlIdClash	5809
BSR_cellBroadcastOverload	5810
BSR_cellSearchGuardTimeExpired	5811
BSR_conflictingCIO	5812
BSR_conflictingQoffset	5813
BSR_creationOfSecondSAFailed	5814
BSR_detectedCollapsingLAI	5815
BSR_deviceAuthenticationFailure	5816
BSR_frequencyOutOfSync	5817
BSR_gatewayConnectivityProblemsStandbyNode	5819
BSR_gatewayConnectivityProblemsStandbyNode	5820
BSR_gGSNselectionFailure	5818
BSR_gsmBandNotSupported	5822
BSR_gsmBCCHDecodeGuardTimerExpired	5821
BSR_gsmCellSearchGuardTimerExpired	5823
BSR_gsmThresholdCriteriaNotMet	5824
BSR_hostingPartyAuthenticationFailure	5825
BSR_hsimNotPresent	5826
BSR_invalidDatabaseDetected	5827
BSR_invalidMocnConfiguration	5828
BSR_ipsecConfigurationAlarm	5829
BSR_ipsecTunnelAlarm	5830
BSR_ipsecTunnelFailureNoResponse	5831
BSR_ipsecTunnelFailureUnknownCause	5832
BSR_isolatedCellOverlapped	5833
BSR_ImcFailure	5834
BSR_lossOfSyncSourceGps	5835
BSR_lossOfSyncSourceNtp	5836
BSR_lteServiceUnavailable	5837
BSR_misConfigurationWarmStandby	5838
BSR_noCarrierSelected	5839
BSR_noMacroCellFound	5840

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
BSR_ntpDrift	5841
BSR_queueOverload	5842
BSR_resetCompleted	5843
BSR_resetFailed	5844
BSR_resetInitiated	5845
BSR_sameLaRaMacroAutoConfigFail	5846
BSR_sameLaRaMacroAutoConfigFailOutOfService	5847
BSR_securityViolation	5848
BSR_selfoptNotRun	5849
BSR_softwareCompatibilityError	5850
BSR_systemOverload	5851
BSR_tamperDetected	5852
BSR_thresholdCriteriaNotMet	5853
BSR_timeOutOfSync	5854
BSR_txPowerConfigurationWarning	5855
BSR_txPowerLimitReached	5856
BSR_umtsBandNotSupported	5857
BSR_unknownTimeOfDay	5858
BSR_wcdmaServiceUnavailable	5859
BSRSubscriberTraceConfig_subscriberTraceRecordingSessionFailure	5801
BSRSubscriberTraceConfig_subscriberTraceUploadFailure	5802
BVG_noBvgMapping	5860
CECTL_layer1CommunicationFailure	5881
CECTL_layerOneResetFailure	5882
CECTL_picoArrayCommunicationFailure	5883
CombinerLossOfAlignment	5604
CommunicationLoss	5605
cpeauthactiveconnectionscurrentcount	6274
cpeauthactiveconnectionshighcount	6275
cpeauthcurrcapacity	6276
cpeauthfailedreserverequestcount	6277
cpeauthleakedconnectioncount	6278
cpeauthwaitingforconnectioncurrentcount	6279
CPMALocalInterConnectPortNotAvailable	8061
CPMBLocalInterConnectPortNotAvailable	8062
CPU_memTempMajor	5895
CPU_presenceAssert	5896

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Alarm name	Alarm ID
CPU_presenceDeassert	5897
CPU_tempCritical	5898
CPU_tempMajor	5899
CPUInfo_configErrorAssert	5884
CPUInfo_configErrorDeassert	5885
CPUInfo_disabledAssert	5886
CPUInfo_disabledDeassert	5887
CPUInfo_iERRAssert	5888
CPUInfo_iERRDeassert	5889
CPUInfo_presenceAssert	5890
CPUInfo_presenceDeassert	5891
CPUInfo_thermakTripAssert	5892
CPUInfo_thermalTripAssert	5893
CPUInfo_thermalTripDeassert	5894
CriticalTemperatureDetected	5606
CsRegion_invalidSuperLacOverlap	5900
DatabaseBackup	8063
DatabaseBackupFailure	8064
DatabaseRestore	8065
DatabaseRestoreFailure	8066
DHCPPFoLeaseUpdateFailedAddressConflict	5159
DHCPPFoLeaseUpdateFailedfoShutdown	5167
DHCPPFoLeaseUpdateFailedHostConflict	5160
DHCPPFoLeaseUpdateFailedLeaseExpired	5161
DHCPPFoLeaseUpdateFailedMaxLeaseReached	5162
DHCPPFoLeaseUpdateFailedPeerConflict	5163
DHCPPFoLeaseUpdateFailedPersistenceCongested	5164
DHCPPFoLeaseUpdateFailedRangeNotFound	5165
DHCPPFoLeaseUpdateFailedSubnetNotFound	5166
DHCPPoolFailoverStateChange	5168
DiameterMonitoredDestinationOverloaded	7959
DimmSlot_deviceInstalledAssert	5903
DimmSlot_disabledAssert	5904
DimmSlot_faultStatusAssert	5905
DimmSlot_sparingAssert	5906
DNS_dnsServerDownNode1	5901
DNS_dnsServerDownNode2	5902

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
DscExtSystemOperStateDown	7960
DuplicateShelfId	5607
EMSystemTimeOut	8151
ENBEquipmentDegradedOrFaulty	7961
EOCFailure	8077
EquipmentRemovalWhenNoProtection	5608
EthernetIntf_interfaceActive	5907
EthernetIntf_interfaceFailure	5908
EthernetPort_cardFailure	5909
EthernetPort_interfaceActive	5910
ExtensionHeaderMismatchGFP	8110
ExternalEthernetIntfPort_interfaceActive	5911
ExternalEthernetIntfPort_interfaceFailure	5912
ExternalLANFailure	8078
FacilityManualRemoval	8079
FailureOfProtocolInconsistent	8111
FailureOfProtocolNoResponse	8112
FailureOfProtocolOperationMismatch	8113
FailureOfProtocolProvisioningMismatch	8114
FailureOfProtocolSwitchMismatch	8115
FanFail	5609
FGW_aclViolation	5913
FGW_activeFGWOAMPortFailure	5914
FGW_agpsServiceUnavailable	5915
FGW_automaticFailoverInitiatedByActiveNode	5916
FGW_automaticFailoverInitiatedByStandbyNode	5917
FGW_availabilityTargetAchieved	5918
FGW_baseboardControllerFailure	5919
FGW_bsrDataFileDownloadFailed	5920
FGW_bsrDataFileInvalid	5921
FGW_bsrDataLost	5922
FGW_bsrDataNonExistingBSR	5923
FGW_bsrDataQueueFailure	5924
FGW_bsrIdClash	5925
FGW_bsrIntegrityCheckFailure	5926
FGW_bsrIntegrityViolation	5927
FGW_cellIdClash	5928

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Alarm name	Alarm ID
FGW_cpuOverloadMaximumThreshold	5929
FGW_cpuOverloadMinimumThreshold	5930
FGW_failedCreatingDynamicTransport	5931
FGW_femtoMsgRateExceeded	5932
FGW_fgw10GPortFailureAtNonResilientState	5933
FGW_fgwActiveNonResilient	5934
FGW_fgwActiveNotResponding	5935
FGW_fgwNodeIsolated	5936
FGW_fgwNodeStateChangeActiveToStandby	5937
FGW_fgwNodeStateChangeStandbyToActive	5938
FGW_fgwStandbyNonResilient	5939
FGW_fgwStandbyNotResponding	5940
FGW_fgwStandbyUnavailable	5941
FGW_fgwToCentralRouterConnectionFailed	5942
FGW_fmsHardResetInitiated	5943
FGW_fmsSoftResetInitiated	5944
FGW_hnbSecurityViolation	5945
FGW_incorrectIPAddress	5946
FGW_initialisationInProgress	5947
FGW_initializeAcceptorFail	5948
FGW_invalidDownloadedConfiguration	5949
FGW_invalidIuFlexConfiguration	5950
FGW_lag1ExceededSeventyPercent	5951
FGW_lag1TrafficImbalance	5952
FGW_lag2ExceededSeventyPercent	5953
FGW_lag2TrafficImbalance	5954
FGW_lag3ExceededSeventyPercent	5955
FGW_lag3TrafficImbalance	5956
FGW_lag4ExceededSeventyPercent	5957
FGW_lag4TrafficImbalance	5958
FGW_lag5ExceededSeventyPercent	5959
FGW_lag5TrafficImbalance	5960
FGW_lag6ExceededSeventyPercent	5961
FGW_lag6TrafficImbalance	5962
FGW_malbanConnectionFailure	5963
FGW_malbanVlanCreationFailure	5964
FGW_manualFailoverInitiatedByActiveNode	5965

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
FGW_manualFailoverInitiatedByStandbyNode	5966
FGW_maximumImsiListThresholdExceeded	5967
FGW_memoryOverloadMaximumThreshold	5968
FGW_memoryOverloadMinimumThreshold	5969
FGW_minimumImsiListThresholdExceeded	5970
FGW_monProcessRestart	5971
FGW_nLLInvalidFileFormat	5972
FGW_nLLmultipleFileInDownloadDir	5973
FGW_noHeartbeatResponseFromActiveNode	5974
FGW_percentageNodesRecovered100	5975
FGW_percentageNodesRecovered70	5976
FGW_percentageNodesRecovered80	5977
FGW_percentageNodesRecovered90	5978
FGW_presenceEventInconsistent	5979
FGW_presenceNotActive	5980
FGW_resetSuccessful	5982
FGW_rtmConnectionFailure	5983
FGW_rTMLinkExceededSeventyPercent	5981
FGW_shelfManagerConnectionFailure	5984
FGW_shelfManagerConnectionUp	5985
FGW_strmgrRedirectPDUDecodeFailed	5986
FGW_switchOver	5987
FGW_sysHardResetInitiated	5988
FGW_sysSoftResetInitiated	5989
FGW_violationBufferOverflow	5990
FGW_vlanCreationFailure	5991
FileTransferFailure	8152
FilterBlocked	5610
FilterClogged	5611
FilterMissing	5612
FirmwareUpgradeFailure	5613
FRUDegradedOrFaulty	7962
functionsaddobject	6280
functionsbackup	6281
functionsconfigurationdownload	6282
functionsconfigurationupload	6283
functionsconnect	6284

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Alarm name	Alarm ID
functionsdeleteobject	6285
functionsfactoryreset	6286
functionsfirmwareupdate	6287
functionsgetoptions	6288
functionsgetparameterattributes	6289
functionsgetparameternames	6290
functionsgetparametervalues	6291
functionsgetqueuedtransfers	6292
functionsgetrpcmethods	6293
functionsreboot	6294
functionsrestore	6295
functionsscheduleinform	6296
functionssetparameterattributes	6297
functionssetparametervalues	6298
functionssnmpgetparametervalues	6299
functionssnmpsetparametervalues	6300
FuseFailure	5614
gccollectiontimeavg	6301
gccount	6302
gcfullcollectiontimeavg	6303
gcfullcount	6304
GenericNatProxy_genericNATproxyServiceFailure	5999
GPS_femtoNotInAuthorizedAreaGPS	5992
GPS_gpsHardwareFailure	5993
GPS_gpsLocationFailure	5994
GSMListener_gsmATCmdFail	5995
GSMListener_gsmModuleATCmdTimeoutError	5996
GSMListener_gsmModuleFailtoInit	5997
GSMListener_gsmNoCellsFound	5998
HardDisk_diskUsageNearingCapacity	6002
HardDiskSlot_diskUsageNearingCapacity	6001
HardwareFailure	5615
hdmAlarmListenerFailure	6305
hdmDashboardAlarmListenerFailure	6306
hdmRegistrationListenerFailure	6308
hdmReRegistrationListenerFailure	6307
hdmResynchroListenerFailure	6309

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
hdmWebservicesFailure	6310
hdmworkmanagercwmpservletcompletedrequests	6311
hdmworkmanagercwmpservletpendingrequests	6312
hdmworkmanagerdefaultcompletedrequests	6313
hdmworkmanagerdefaultpendingrequests	6314
hdmworkmanagernbiservicecompletedrequests	6315
hdmworkmanagernbiservicependingrequests	6316
HeNBMasterCP_rangeOfStreamsFromHeNBNotSupported	6003
HIGHNBRDEVDOWN	6000
HighTemperatureDetected	5616
HistCorrDbSizeThresholdExceeded	5169
httpacceptcount	6317
httpconnectionscount	6318
httpmessagessentrate	6319
httpreceivedmessagesrate	6320
httpsacceptcount	6321
httpsconnectionscount	6322
httpsmessagessentrate	6323
httpsreceivedmessagesrate	6324
IgpPrefixUnreachable	5428
IK4003104	7963
IK4003105	7964
IK4003106	7965
IK4003107	7966
IK4004198	7967
IK4004199	7968
IK4004200	7969
IK4004201	7970
IK4007209	7971
IK4007210	7972
IK4007212	7973
IK4007214	7974
IK4007215	7975
IK4007216	7976
IK4007217	7977
IK4007218	7978
IK4007219	7979

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Alarm name	Alarm ID
IK4007220	7980
IK4007221	7981
IK4007222	7982
IK4009211	7983
IK4009212	7984
IK4009213	7985
IK4009214	7986
IK4009215	7987
IK4009216	7988
IK4009217	7989
IK4009218	7990
IK4012078	7991
IK4012079	7992
IK4022001	7993
IK4022002	7994
IK4022003	7995
IK4022004	7996
IK4022005	7997
IK4022006	7998
IK4305187	7999
IK4305188	8000
IK4305189	8001
IK4305190	8002
IK4305191	8003
IK4305192	8004
IK4306108	8005
IK4306109	8006
IK4306110	8007
IK4306111	8008
IK4306112	8009
IK4306113	8010
IK4306114	8011
IK4306115	8012
IK4306116	8013
IK4306117	8014
IK4306118	8015
IK4306119	8016

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<b>Alarm name</b>	<b>Alarm ID</b>
IK4306120	8017
IK4306121	8018
IK4306122	8019
IK4306123	8020
IK4306124	8021
IK4306126	8022
IK8000001	6450
IK8000002	6451
IK8000003	6452
IK8000005	6453
IK8000008	6454
IK8000012	6455
IK8000100	6456
IK8000102	6457
IK8000103	6458
IK8000106	6459
IK8000107	6460
IK8000108	6461
IK8000110	6462
IK8000113	6463
IK8000117	6464
IK8100004	6465
IK8100005	6466
IK8100006	6467
IK8100007	6468
IK8100046	6469
IK8100068	6470
IK8100076	6471
IK8100077	6472
IK8200982	6473
IK8200984	6474
IK8200986	6475
IK8201008	6476
IK8201010	6477
IK8201013	6478
IK8201018	6479
IK8201023	6480

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Alarm name	Alarm ID
IK8201030	6481
IK8201033	6482
IK8201037	6483
IK8201040	6484
IK8201060	6485
IK8201073	6486
IK8201098	6487
IK8201102	6488
IK8201105	6489
IK8201112	6490
IK8201116	6491
IK8201121	6492
IK8201125	6493
IK8201129	6494
IK8201135	6495
IK8201144	6496
IK8201148	6497
IK8201152	6498
IK8201154	6499
IK8201156	6500
IK8201158	6501
IK8201163	6502
IK8201172	6503
IK8202265	6504
IK8202272	6505
IK8202279	6506
IK8202291	6507
IK8202292	6508
IK8202295	6509
IK8202302	6510
IK8202337	6511
IK8202341	6512
IK8202343	6513
IK8202347	6514
IK8202349	6515
IK8202360	6516
IK8202363	6517

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8202368	6518
IK8202369	6519
IK8202374	6520
IK8202375	6521
IK8202376	6522
IK8202377	6523
IK8202378	6524
IK8202379	6525
IK8202380	6526
IK8202382	6527
IK8202386	6528
IK8202387	6529
IK8202388	6530
IK8202391	6531
IK8202401	6532
IK8202408	6533
IK8202409	6534
IK8202411	6535
IK8202428	6536
IK8202429	6537
IK8202431	6538
IK8202432	6539
IK8202436	6540
IK8202437	6541
IK8202439	6542
IK8202559	6543
IK8202609	6544
IK8202610	6545
IK8202615	6546
IK8202616	6547
IK8202617	6548
IK8202620	6549
IK8202622	6550
IK8202628	6551
IK8202632	6552
IK8202633	6553
IK8202648	6554

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Alarm name	Alarm ID
IK8202657	6555
IK8204762	6556
IK8250982	6557
IK8250984	6558
IK8250986	6559
IK8251008	6560
IK8251010	6561
IK8251013	6562
IK8251018	6563
IK8251023	6564
IK8251030	6565
IK8251033	6566
IK8251037	6567
IK8251040	6568
IK8251060	6569
IK8251073	6570
IK8251098	6571
IK8251102	6572
IK8251105	6573
IK8251112	6574
IK8251116	6575
IK8251121	6576
IK8251125	6577
IK8251129	6578
IK8251135	6579
IK8251144	6580
IK8251148	6581
IK8251152	6582
IK8251154	6583
IK8251156	6584
IK8251158	6585
IK8251163	6586
IK8251172	6587
IK8252265	6588
IK8252272	6589
IK8252279	6590
IK8252291	6591

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8252292	6592
IK8252295	6593
IK8252302	6594
IK8252337	6595
IK8252341	6596
IK8252343	6597
IK8252347	6598
IK8252349	6599
IK8252360	6600
IK8252363	6601
IK8252368	6602
IK8252369	6603
IK8252374	6604
IK8252375	6605
IK8252376	6606
IK8252377	6607
IK8252378	6608
IK8252379	6609
IK8252380	6610
IK8252382	6611
IK8252386	6612
IK8252387	6613
IK8252388	6614
IK8252391	6615
IK8252401	6616
IK8252408	6617
IK8252409	6618
IK8252411	6619
IK8252428	6620
IK8252429	6621
IK8252431	6622
IK8252432	6623
IK8252436	6624
IK8252437	6625
IK8252439	6626
IK8252559	6627
IK8252609	6628

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Alarm name	Alarm ID
IK8252610	6629
IK8252615	6630
IK8252616	6631
IK8252617	6632
IK8252620	6633
IK8252622	6634
IK8252628	6635
IK8252632	6636
IK8252633	6637
IK8252648	6638
IK8252657	6639
IK8254762	6640
IK8300982	6641
IK8300984	6642
IK8300986	6643
IK8301008	6644
IK8301010	6645
IK8301013	6646
IK8301018	6647
IK8301023	6648
IK8301030	6649
IK8301033	6650
IK8301037	6651
IK8301040	6652
IK8301060	6653
IK8301073	6654
IK8301098	6655
IK8301102	6656
IK8301105	6657
IK8301112	6658
IK8301116	6659
IK8301121	6660
IK8301125	6661
IK8301129	6662
IK8301135	6663
IK8301144	6664
IK8301148	6665

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8301152	6666
IK8301154	6667
IK8301156	6668
IK8301158	6669
IK8301163	6670
IK8301172	6671
IK8302265	6672
IK8302272	6673
IK8302279	6674
IK8302291	6675
IK8302292	6676
IK8302295	6677
IK8302302	6678
IK8302337	6679
IK8302341	6680
IK8302343	6681
IK8302347	6682
IK8302349	6683
IK8302360	6684
IK8302363	6685
IK8302368	6686
IK8302369	6687
IK8302374	6688
IK8302375	6689
IK8302376	6690
IK8302377	6691
IK8302378	6692
IK8302379	6693
IK8302380	6694
IK8302382	6695
IK8302386	6696
IK8302387	6697
IK8302388	6698
IK8302391	6699
IK8302401	6700
IK8302408	6701
IK8302409	6702

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Alarm name	Alarm ID
IK8302411	6703
IK8302428	6704
IK8302429	6705
IK8302431	6706
IK8302432	6707
IK8302436	6708
IK8302437	6709
IK8302439	6710
IK8302559	6711
IK8302609	6712
IK8302610	6713
IK8302615	6714
IK8302616	6715
IK8302617	6716
IK8302620	6717
IK8302622	6718
IK8302628	6719
IK8302632	6720
IK8302633	6721
IK8302648	6722
IK8302657	6723
IK8304762	6724
IK8350982	6725
IK8350984	6726
IK8350986	6727
IK8351008	6728
IK8351010	6729
IK8351013	6730
IK8351018	6731
IK8351023	6732
IK8351030	6733
IK8351033	6734
IK8351037	6735
IK8351040	6736
IK8351060	6737
IK8351073	6738
IK8351098	6739

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8351102	6740
IK8351105	6741
IK8351112	6742
IK8351116	6743
IK8351121	6744
IK8351125	6745
IK8351129	6746
IK8351135	6747
IK8351144	6748
IK8351148	6749
IK8351152	6750
IK8351154	6751
IK8351156	6752
IK8351158	6753
IK8351163	6754
IK8351172	6755
IK8352265	6756
IK8352272	6757
IK8352279	6758
IK8352291	6759
IK8352292	6760
IK8352295	6761
IK8352302	6762
IK8352337	6763
IK8352341	6764
IK8352343	6765
IK8352347	6766
IK8352349	6767
IK8352360	6768
IK8352363	6769
IK8352368	6770
IK8352369	6771
IK8352374	6772
IK8352375	6773
IK8352376	6774
IK8352377	6775
IK8352378	6776

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Alarm name	Alarm ID
IK8352379	6777
IK8352380	6778
IK8352382	6779
IK8352386	6780
IK8352387	6781
IK8352388	6782
IK8352391	6783
IK8352401	6784
IK8352408	6785
IK8352409	6786
IK8352411	6787
IK8352428	6788
IK8352429	6789
IK8352431	6790
IK8352432	6791
IK8352436	6792
IK8352437	6793
IK8352439	6794
IK8352559	6795
IK8352609	6796
IK8352610	6797
IK8352615	6798
IK8352616	6799
IK8352617	6800
IK8352620	6801
IK8352622	6802
IK8352628	6803
IK8352632	6804
IK8352633	6805
IK8352648	6806
IK8352657	6807
IK8354762	6808
IK8400982	6809
IK8400984	6810
IK8400986	6811
IK8401008	6812
IK8401010	6813

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8401013	6814
IK8401018	6815
IK8401023	6816
IK8401030	6817
IK8401033	6818
IK8401037	6819
IK8401040	6820
IK8401060	6821
IK8401073	6822
IK8401098	6823
IK8401102	6824
IK8401105	6825
IK8401112	6826
IK8401116	6827
IK8401121	6828
IK8401125	6829
IK8401129	6830
IK8401135	6831
IK8401144	6832
IK8401148	6833
IK8401152	6834
IK8401154	6835
IK8401156	6836
IK8401158	6837
IK8401163	6838
IK8401172	6839
IK8402265	6840
IK8402272	6841
IK8402279	6842
IK8402291	6843
IK8402292	6844
IK8402295	6845
IK8402302	6846
IK8402337	6847
IK8402341	6848
IK8402343	6849
IK8402347	6850

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Alarm name	Alarm ID
IK8402349	6851
IK8402360	6852
IK8402363	6853
IK8402368	6854
IK8402369	6855
IK8402374	6856
IK8402375	6857
IK8402376	6858
IK8402377	6859
IK8402378	6860
IK8402379	6861
IK8402380	6862
IK8402382	6863
IK8402386	6864
IK8402387	6865
IK8402388	6866
IK8402391	6867
IK8402401	6868
IK8402408	6869
IK8402409	6870
IK8402411	6871
IK8402428	6872
IK8402429	6873
IK8402431	6874
IK8402432	6875
IK8402436	6876
IK8402437	6877
IK8402439	6878
IK8402559	6879
IK8402609	6880
IK8402610	6881
IK8402615	6882
IK8402616	6883
IK8402617	6884
IK8402620	6885
IK8402622	6886
IK8402628	6887

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8402632	6888
IK8402633	6889
IK8402648	6890
IK8402657	6891
IK8404762	6892
IK8450931	6893
IK8450959	6894
IK8450961	6895
IK8450963	6896
IK8450971	6897
IK8450975	6898
IK8450977	6899
IK8450982	6900
IK8450984	6901
IK8450986	6902
IK8451008	6903
IK8451010	6904
IK8451013	6905
IK8451018	6906
IK8451023	6907
IK8451030	6908
IK8451033	6909
IK8451037	6910
IK8451040	6911
IK8451042	6912
IK8451052	6913
IK8451060	6914
IK8451073	6915
IK8451098	6916
IK8451102	6917
IK8451105	6918
IK8451112	6919
IK8451116	6920
IK8451121	6921
IK8451125	6922
IK8451129	6923
IK8451135	6924

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Alarm name	Alarm ID
IK8451144	6925
IK8451148	6926
IK8451152	6927
IK8451154	6928
IK8451156	6929
IK8451158	6930
IK8451163	6931
IK8451172	6932
IK8451182	6933
IK8451192	6934
IK8451202	6935
IK8451208	6936
IK8451216	6937
IK8451221	6938
IK8451222	6939
IK8451226	6940
IK8451227	6941
IK8451228	6942
IK8451231	6943
IK8451235	6944
IK8451237	6945
IK8451241	6946
IK8451242	6947
IK8451243	6948
IK8451247	6949
IK8451251	6950
IK8451253	6951
IK8451256	6952
IK8451257	6953
IK8451265	6954
IK8451287	6955
IK8451290	6956
IK8451295	6957
IK8451301	6958
IK8451303	6959
IK8451306	6960
IK8451307	6961

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8451309	6962
IK8451310	6963
IK8451312	6964
IK8451314	6965
IK8451315	6966
IK8451321	6967
IK8451322	6968
IK8451334	6969
IK8451369	6970
IK8451376	6971
IK8451384	6972
IK8451385	6973
IK8451387	6974
IK8451388	6975
IK8451389	6976
IK8451390	6977
IK8451391	6978
IK8451400	6979
IK8451401	6980
IK8451404	6981
IK8451406	6982
IK8451407	6983
IK8451408	6984
IK8451409	6985
IK8451410	6986
IK8451412	6987
IK8451419	6988
IK8451421	6989
IK8451422	6990
IK8451423	6991
IK8451425	6992
IK8451426	6993
IK8451435	6994
IK8451437	6995
IK8451438	6996
IK8451439	6997
IK8451440	6998

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Alarm name	Alarm ID
IK8451441	6999
IK8452265	7000
IK8452272	7001
IK8452279	7002
IK8452291	7003
IK8452292	7004
IK8452295	7005
IK8452302	7006
IK8452331	7007
IK8452332	7008
IK8452333	7009
IK8452334	7010
IK8452335	7011
IK8452337	7012
IK8452341	7013
IK8452343	7014
IK8452347	7015
IK8452349	7016
IK8452350	7017
IK8452360	7018
IK8452363	7019
IK8452368	7020
IK8452369	7021
IK8452374	7022
IK8452375	7023
IK8452376	7024
IK8452377	7025
IK8452378	7026
IK8452379	7027
IK8452380	7028
IK8452382	7029
IK8452386	7030
IK8452387	7031
IK8452388	7032
IK8452391	7033
IK8452401	7034
IK8452408	7035

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8452409	7036
IK8452411	7037
IK8452428	7038
IK8452429	7039
IK8452431	7040
IK8452432	7041
IK8452436	7042
IK8452437	7043
IK8452439	7044
IK8452559	7045
IK8452609	7046
IK8452610	7047
IK8452615	7048
IK8452616	7049
IK8452617	7050
IK8452620	7051
IK8452622	7052
IK8452628	7053
IK8452632	7054
IK8452633	7055
IK8452648	7056
IK8452657	7057
IK8452707	7058
IK8452712	7059
IK8452714	7060
IK8452715	7061
IK8452986	7062
IK8452989	7063
IK8452992	7064
IK8452998	7065
IK8453000	7066
IK8453025	7067
IK8454220	7068
IK8454221	7069
IK8454370	7070
IK8454371	7071
IK8454418	7072

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Alarm name	Alarm ID
IK8454423	7073
IK8454424	7074
IK8454429	7075
IK8454430	7076
IK8454441	7077
IK8454442	7078
IK8454443	7079
IK8454444	7080
IK8454449	7081
IK8454450	7082
IK8454452	7083
IK8454454	7084
IK8454455	7085
IK8454481	7086
IK8454541	7087
IK8454560	7088
IK8454591	7089
IK8454595	7090
IK8454596	7091
IK8454597	7092
IK8454598	7093
IK8454599	7094
IK8454600	7095
IK8454601	7096
IK8454602	7097
IK8454621	7098
IK8454623	7099
IK8454624	7100
IK8454625	7101
IK8454626	7102
IK8454630	7103
IK8454631	7104
IK8454632	7105
IK8454633	7106
IK8454634	7107
IK8454638	7108
IK8454650	7109

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8454651	7110
IK8454659	7111
IK8454680	7112
IK8454681	7113
IK8454698	7114
IK8454708	7115
IK8454710	7116
IK8454712	7117
IK8454730	7118
IK8454735	7119
IK8454743	7120
IK8454749	7121
IK8454752	7122
IK8454755	7123
IK8454762	7124
IK8456033	7125
IK8456034	7126
IK8457327	7127
IK8457329	7128
IK8457331	7129
IK8457334	7130
IK8457346	7131
IK8457347	7132
IK8457354	7133
IK8457377	7134
IK8457386	7135
IK8457391	7136
IK8457394	7137
IK8500002	7138
IK8500006	7139
IK8500103	7140
IK8500501	7141
IK8500503	7142
IK8501061	7143
IK8501062	7144
IK8505555	7145
IK8505556	7146

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Alarm name	Alarm ID
IK8505557	7147
IK8505558	7148
IK8550005	7149
IK8550006	7150
IK8550007	7151
IK8550981	7152
IK8550982	7153
IK8550983	7154
IK8550984	7155
IK8550985	7156
IK8550986	7157
IK8550987	7158
IK8550988	7159
IK8550989	7160
IK8550990	7161
IK8550991	7162
IK8550992	7163
IK8550993	7164
IK8550994	7165
IK8550995	7166
IK8550996	7167
IK8550997	7168
IK8550998	7169
IK8550999	7170
IK8551000	7171
IK8551001	7172
IK8551002	7173
IK8551003	7174
IK8551004	7175
IK8551005	7176
IK8551006	7177
IK8551008	7178
IK8551010	7179
IK8551013	7180
IK8551015	7181
IK8551018	7182
IK8551023	7183

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8551028	7184
IK8551030	7185
IK8551032	7186
IK8551033	7187
IK8551035	7188
IK8551037	7189
IK8551039	7190
IK8551040	7191
IK8551059	7192
IK8551060	7193
IK8551067	7194
IK8551068	7195
IK8551072	7196
IK8551073	7197
IK8551078	7198
IK8551079	7199
IK8551089	7200
IK8551092	7201
IK8551094	7202
IK8551098	7203
IK8551099	7204
IK8551102	7205
IK8551103	7206
IK8551105	7207
IK8551106	7208
IK8551108	7209
IK8551112	7210
IK8551113	7211
IK8551114	7212
IK8551116	7213
IK8551117	7214
IK8551120	7215
IK8551121	7216
IK8551122	7217
IK8551125	7218
IK8551126	7219
IK8551128	7220

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Alarm name	Alarm ID
IK8551129	7221
IK8551130	7222
IK8551131	7223
IK8551132	7224
IK8551134	7225
IK8551135	7226
IK8551136	7227
IK8551137	7228
IK8551138	7229
IK8551141	7230
IK8551142	7231
IK8551144	7232
IK8551148	7233
IK8551149	7234
IK8551150	7235
IK8551152	7236
IK8551153	7237
IK8551154	7238
IK8551156	7239
IK8551158	7240
IK8551163	7241
IK8551164	7242
IK8551168	7243
IK8551172	7244
IK8552265	7245
IK8552272	7246
IK8552279	7247
IK8552281	7248
IK8552284	7249
IK8552289	7250
IK8552291	7251
IK8552292	7252
IK8552295	7253
IK8552302	7254
IK8552304	7255
IK8552305	7256
IK8552309	7257

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8552310	7258
IK8552315	7259
IK8552317	7260
IK8552337	7261
IK8552339	7262
IK8552341	7263
IK8552343	7264
IK8552344	7265
IK8552347	7266
IK8552349	7267
IK8552360	7268
IK8552361	7269
IK8552363	7270
IK8552364	7271
IK8552368	7272
IK8552369	7273
IK8552373	7274
IK8552374	7275
IK8552375	7276
IK8552376	7277
IK8552377	7278
IK8552378	7279
IK8552379	7280
IK8552380	7281
IK8552382	7282
IK8552385	7283
IK8552386	7284
IK8552387	7285
IK8552388	7286
IK8552389	7287
IK8552390	7288
IK8552391	7289
IK8552392	7290
IK8552397	7291
IK8552401	7292
IK8552402	7293
IK8552408	7294

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Alarm name	Alarm ID
IK8552409	7295
IK8552410	7296
IK8552411	7297
IK8552427	7298
IK8552428	7299
IK8552429	7300
IK8552430	7301
IK8552431	7302
IK8552432	7303
IK8552435	7304
IK8552436	7305
IK8552437	7306
IK8552439	7307
IK8552443	7308
IK8552444	7309
IK8552449	7310
IK8552450	7311
IK8552453	7312
IK8552454	7313
IK8552457	7314
IK8552460	7315
IK8552462	7316
IK8552464	7317
IK8552466	7318
IK8552468	7319
IK8552489	7320
IK8552490	7321
IK8552492	7322
IK8552493	7323
IK8552494	7324
IK8552496	7325
IK8552499	7326
IK8552500	7327
IK8552502	7328
IK8552503	7329
IK8552504	7330
IK8552506	7331

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8552507	7332
IK8552508	7333
IK8552510	7334
IK8552512	7335
IK8552513	7336
IK8552516	7337
IK8552518	7338
IK8552522	7339
IK8552526	7340
IK8552527	7341
IK8552528	7342
IK8552529	7343
IK8552531	7344
IK8552533	7345
IK8552534	7346
IK8552536	7347
IK8552538	7348
IK8552539	7349
IK8552541	7350
IK8552543	7351
IK8552545	7352
IK8552548	7353
IK8552550	7354
IK8552552	7355
IK8552554	7356
IK8552556	7357
IK8552559	7358
IK8552560	7359
IK8552585	7360
IK8552586	7361
IK8552590	7362
IK8552606	7363
IK8552608	7364
IK8552609	7365
IK8552610	7366
IK8552612	7367
IK8552615	7368

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Alarm name	Alarm ID
IK8552616	7369
IK8552617	7370
IK8552618	7371
IK8552619	7372
IK8552620	7373
IK8552621	7374
IK8552622	7375
IK8552628	7376
IK8552630	7377
IK8552631	7378
IK8552632	7379
IK8552633	7380
IK8552647	7381
IK8552648	7382
IK8552657	7383
IK8552658	7384
IK8552661	7385
IK8552662	7386
IK8552664	7387
IK8552665	7388
IK8552668	7389
IK8552669	7390
IK8552670	7391
IK8552695	7392
IK8552697	7393
IK8552699	7394
IK8552700	7395
IK8552701	7396
IK8552702	7397
IK8552748	7398
IK8554762	7399
IK8600124	7400
IK8600132	7401
IK8600137	7402
IK8600141	7403
IK8600142	7404
IK8600143	7405

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8600146	7406
IK8600152	7407
IK8600159	7408
IK8600164	7409
IK8600168	7410
IK8600169	7411
IK8600170	7412
IK8600172	7413
IK8600174	7414
IK8600175	7415
IK8600179	7416
IK8600211	7417
IK8600214	7418
IK8600216	7419
IK8600217	7420
IK8600234	7421
IK8600236	7422
IK8600238	7423
IK8600239	7424
IK8600240	7425
IK8600241	7426
IK8600242	7427
IK8600248	7428
IK8600250	7429
IK8600251	7430
IK8600252	7431
IK8600254	7432
IK8600258	7433
IK8600259	7434
IK8600262	7435
IK8600269	7436
IK8600271	7437
IK8600273	7438
IK8600274	7439
IK8600275	7440
IK8600276	7441
IK8600286	7442

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Alarm name	Alarm ID
IK8600287	7443
IK8600288	7444
IK8600289	7445
IK8600295	7446
IK8600296	7447
IK8600297	7448
IK8600319	7449
IK8600320	7450
IK8600328	7451
IK8600333	7452
IK8600334	7453
IK8600335	7454
IK8600336	7455
IK8600338	7456
IK8600339	7457
IK8600340	7458
IK8600341	7459
IK8600343	7460
IK8600346	7461
IK8600347	7462
IK8600351	7463
IK8600352	7464
IK8600353	7465
IK8600354	7466
IK8600355	7467
IK8600356	7468
IK8600363	7469
IK8600369	7470
IK8600370	7471
IK8600390	7472
IK8600391	7473
IK8600398	7474
IK8600399	7475
IK8600407	7476
IK8600408	7477
IK8600409	7478
IK8603228	7479

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8603229	7480
IK8603267	7481
IK8610137	7482
IK8610142	7483
IK8610168	7484
IK8610174	7485
IK8610190	7486
IK8610196	7487
IK8610197	7488
IK8610200	7489
IK8610211	7490
IK8610214	7491
IK8610215	7492
IK8610216	7493
IK8610217	7494
IK8610232	7495
IK8610234	7496
IK8610236	7497
IK8610238	7498
IK8610239	7499
IK8610240	7500
IK8610241	7501
IK8610242	7502
IK8610248	7503
IK8610250	7504
IK8610251	7505
IK8610252	7506
IK8610254	7507
IK8610271	7508
IK8610286	7509
IK8610287	7510
IK8610288	7511
IK8610309	7512
IK8610321	7513
IK8610322	7514
IK8610328	7515
IK8610333	7516

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Alarm name	Alarm ID
IK8610334	7517
IK8610335	7518
IK8610338	7519
IK8610346	7520
IK8610347	7521
IK8610348	7522
IK8610357	7523
IK8610359	7524
IK8610360	7525
IK8610361	7526
IK8610362	7527
IK8610363	7528
IK8610410	7529
IK8610411	7530
IK8610412	7531
IK8610413	7532
IK8610414	7533
IK8610415	7534
IK8610416	7535
IK8610417	7536
IK8613228	7537
IK8613229	7538
IK8613267	7539
IK8650005	7540
IK8650006	7541
IK8650007	7542
IK8650981	7543
IK8650982	7544
IK8650983	7545
IK8650984	7546
IK8650985	7547
IK8650986	7548
IK8650987	7549
IK8650988	7550
IK8650989	7551
IK8650990	7552
IK8650991	7553

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8650992	7554
IK8650993	7555
IK8650994	7556
IK8650995	7557
IK8650996	7558
IK8650997	7559
IK8650998	7560
IK8650999	7561
IK8651000	7562
IK8651001	7563
IK8651002	7564
IK8651003	7565
IK8651004	7566
IK8651005	7567
IK8651006	7568
IK8651008	7569
IK8651010	7570
IK8651013	7571
IK8651015	7572
IK8651018	7573
IK8651023	7574
IK8651028	7575
IK8651030	7576
IK8651032	7577
IK8651033	7578
IK8651035	7579
IK8651037	7580
IK8651039	7581
IK8651040	7582
IK8651059	7583
IK8651060	7584
IK8651067	7585
IK8651068	7586
IK8651072	7587
IK8651073	7588
IK8651078	7589
IK8651079	7590

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Alarm name	Alarm ID
IK8651089	7591
IK8651092	7592
IK8651094	7593
IK8651098	7594
IK8651099	7595
IK8651102	7596
IK8651103	7597
IK8651105	7598
IK8651106	7599
IK8651108	7600
IK8651112	7601
IK8651113	7602
IK8651114	7603
IK8651116	7604
IK8651117	7605
IK8651120	7606
IK8651121	7607
IK8651122	7608
IK8651125	7609
IK8651126	7610
IK8651128	7611
IK8651129	7612
IK8651130	7613
IK8651131	7614
IK8651132	7615
IK8651134	7616
IK8651135	7617
IK8651136	7618
IK8651137	7619
IK8651138	7620
IK8651141	7621
IK8651142	7622
IK8651144	7623
IK8651148	7624
IK8651149	7625
IK8651150	7626
IK8651152	7627

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8651153	7628
IK8651154	7629
IK8651156	7630
IK8651158	7631
IK8651163	7632
IK8651164	7633
IK8651168	7634
IK8651172	7635
IK8652265	7636
IK8652272	7637
IK8652279	7638
IK8652281	7639
IK8652284	7640
IK8652289	7641
IK8652291	7642
IK8652292	7643
IK8652295	7644
IK8652302	7645
IK8652304	7646
IK8652305	7647
IK8652309	7648
IK8652310	7649
IK8652315	7650
IK8652317	7651
IK8652337	7652
IK8652339	7653
IK8652341	7654
IK8652343	7655
IK8652344	7656
IK8652347	7657
IK8652349	7658
IK8652360	7659
IK8652361	7660
IK8652363	7661
IK8652364	7662
IK8652368	7663
IK8652369	7664

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Alarm name	Alarm ID
IK8652373	7665
IK8652374	7666
IK8652375	7667
IK8652376	7668
IK8652377	7669
IK8652378	7670
IK8652379	7671
IK8652380	7672
IK8652382	7673
IK8652385	7674
IK8652386	7675
IK8652387	7676
IK8652388	7677
IK8652389	7678
IK8652390	7679
IK8652391	7680
IK8652392	7681
IK8652397	7682
IK8652401	7683
IK8652402	7684
IK8652408	7685
IK8652409	7686
IK8652410	7687
IK8652411	7688
IK8652427	7689
IK8652428	7690
IK8652429	7691
IK8652430	7692
IK8652431	7693
IK8652432	7694
IK8652435	7695
IK8652436	7696
IK8652437	7697
IK8652439	7698
IK8652443	7699
IK8652444	7700
IK8652449	7701

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**1 – 5620 SAM alarm information**

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8652450	7702
IK8652453	7703
IK8652454	7704
IK8652457	7705
IK8652460	7706
IK8652462	7707
IK8652464	7708
IK8652466	7709
IK8652468	7710
IK8652489	7711
IK8652490	7712
IK8652492	7713
IK8652493	7714
IK8652494	7715
IK8652496	7716
IK8652499	7717
IK8652500	7718
IK8652502	7719
IK8652503	7720
IK8652504	7721
IK8652506	7722
IK8652507	7723
IK8652508	7724
IK8652510	7725
IK8652512	7726
IK8652513	7727
IK8652516	7728
IK8652518	7729
IK8652522	7730
IK8652526	7731
IK8652527	7732
IK8652528	7733
IK8652529	7734
IK8652531	7735
IK8652533	7736
IK8652534	7737
IK8652536	7738

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Alarm name	Alarm ID
IK8652538	7739
IK8652539	7740
IK8652541	7741
IK8652543	7742
IK8652545	7743
IK8652548	7744
IK8652550	7745
IK8652552	7746
IK8652554	7747
IK8652556	7748
IK8652559	7749
IK8652560	7750
IK8652585	7751
IK8652586	7752
IK8652590	7753
IK8652606	7754
IK8652608	7755
IK8652609	7756
IK8652610	7757
IK8652612	7758
IK8652615	7759
IK8652616	7760
IK8652617	7761
IK8652618	7762
IK8652619	7763
IK8652620	7764
IK8652621	7765
IK8652622	7766
IK8652628	7767
IK8652630	7768
IK8652631	7769
IK8652632	7770
IK8652633	7771
IK8652647	7772
IK8652648	7773
IK8652657	7774
IK8652658	7775

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8652661	7776
IK8652662	7777
IK8652664	7778
IK8652665	7779
IK8652668	7780
IK8652669	7781
IK8652670	7782
IK8652695	7783
IK8652697	7784
IK8652699	7785
IK8652700	7786
IK8652701	7787
IK8652702	7788
IK8652748	7789
IK8654762	7790
IK8705835	7791
IK8705836	7792
IK8705837	7793
IK8705843	7794
IK8705844	7795
IK8705846	7796
IK8705849	7797
IK8705850	7798
IK8705853	7799
IK8705855	7800
IK8705856	7801
IK8705865	7802
IK8705870	7803
IK8705871	7804
IK8705872	7805
IK8705881	7806
IK8705882	7807
IK8705884	7808
IK8705885	7809
IK8705900	7810
IK8705902	7811
IK8705907	7812

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Alarm name	Alarm ID
IK8705908	7813
IK8705916	7814
IK8705921	7815
IK8705935	7816
IK8705939	7817
IK8705942	7818
IK8705943	7819
IK8705944	7820
IK8705957	7821
IK8705963	7822
IK8705965	7823
IK8705971	7824
IK8705973	7825
IK8705974	7826
IK8705975	7827
IK8705976	7828
IK8705977	7829
IK8705978	7830
IK8705984	7831
IK8706001	7832
IK8706007	7833
IK8750982	7834
IK8750984	7835
IK8750986	7836
IK8751008	7837
IK8751010	7838
IK8751013	7839
IK8751018	7840
IK8751023	7841
IK8751030	7842
IK8751033	7843
IK8751037	7844
IK8751040	7845
IK8751060	7846
IK8751073	7847
IK8751098	7848
IK8751102	7849

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8751105	7850
IK8751112	7851
IK8751116	7852
IK8751121	7853
IK8751125	7854
IK8751129	7855
IK8751135	7856
IK8751144	7857
IK8751148	7858
IK8751152	7859
IK8751154	7860
IK8751156	7861
IK8751158	7862
IK8751163	7863
IK8751172	7864
IK8752265	7865
IK8752272	7866
IK8752279	7867
IK8752291	7868
IK8752292	7869
IK8752295	7870
IK8752302	7871
IK8752337	7872
IK8752341	7873
IK8752343	7874
IK8752347	7875
IK8752349	7876
IK8752360	7877
IK8752363	7878
IK8752368	7879
IK8752369	7880
IK8752374	7881
IK8752375	7882
IK8752376	7883
IK8752377	7884
IK8752378	7885
IK8752379	7886

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Alarm name	Alarm ID
IK8752380	7887
IK8752382	7888
IK8752386	7889
IK8752387	7890
IK8752388	7891
IK8752391	7892
IK8752401	7893
IK8752408	7894
IK8752409	7895
IK8752411	7896
IK8752428	7897
IK8752429	7898
IK8752431	7899
IK8752432	7900
IK8752436	7901
IK8752437	7902
IK8752439	7903
IK8752559	7904
IK8752609	7905
IK8752610	7906
IK8752615	7907
IK8752616	7908
IK8752617	7909
IK8752620	7910
IK8752622	7911
IK8752628	7912
IK8752632	7913
IK8752633	7914
IK8752648	7915
IK8752657	7916
IK8754762	7917
IK8802753	7918
IK8802755	7919
IK8802756	7920
IK8802758	7921
IK8802759	7922
IK8802761	7923

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<b>Alarm name</b>	<b>Alarm ID</b>
IK8802778	7924
IK8802779	7925
IK8802780	7926
IK8802787	7927
IK8802788	7928
IK8802806	7929
IK8802827	7930
IK8802828	7931
IK8802829	7932
IK8802834	7933
IK8802835	7934
IK8802836	7935
IK8802837	7936
IK8802839	7937
IK8802841	7938
IK8802842	7939
IK8802845	7940
IK8802857	7941
IK8802858	7942
IK8802862	7943
IK8802863	7944
IK8802869	7945
IK8802872	7946
IK8802873	7947
IK8802875	7948
IK8802876	7949
IK8802878	7950
IK8802886	7951
IK8802887	7952
IK8802889	7953
IK8802892	7954
IK8802898	7955
IK8802900	7956
IK8802905	7957
IK8802908	7958
informall	6325
informboot	6326

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Alarm name	Alarm ID
informbootstrap	6327
informconnectionrequest	6328
informdiagnosticscomplete	6329
informdownload	6330
informkicked	6331
informlatency	6332
informlatencymax	6333
informlatencymin	6334
informperiodic	6335
informreboot	6336
informrequestdownload	6337
informscheduled	6338
informscheduleinform	6339
informtransfercomplete	6340
informupload	6341
informvaluechange	6342
InHsWdx	5619
IntClockMiss	5620
InterChassisCommunicationDown	8067
InterConnectPortDDMFailure	5621
InterConnectPortLinkDown	5622
InterConnectPortMisconnected	5623
InterConnectPortSFFFailure	5624
InternalCommunicationFailure	5625
InternalLanDegrade	5626
InternalLanFail	5627
InternalPayloadIntegrity	5628
InternalSynchSignal	5629
invalidloginattemptstotalcount	6343
IOMEventOverflow	5617
IOMResUtilizationLimit	5618
IPCPCConnectionFailure	8080
IPSP_aspDown	6004
IPSP_asplnactive	6005
IPSP_ICM_EVENT_BND_FAIL	6006
IPSP_IIT_EVENT_ESTABLISH_FAIL	6007
IPSP_IIT_EVENT_SCT_COMM_DOWN	6008

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Alarm name	Alarm ID
IPSP_IIT_EVENT_TERM_IND	6009
ItfBGWY_itfBSGdnsFailure	6010
ItfBGWY_itfFGWfailure	6012
ItfBGWY_itfFGWoverload	6013
ItfBGWY_itfFGWRegistrationFailure	6011
ItfBGWY_noResponseFromBGWY	6014
ItfBPG_itfBPGdnsFailure	6016
ItfBPG_itfBPGLinkFailure	6015
ItfBVG_itfBVGdnsFailure	6018
ItfBVG_itfBVGLinkFailure	6017
IuBC_cellBroadcastCenterFailure	6019
IuBC_cellBroadcastOverload	6020
IuCS_asplinactive	6030
IuCS_destinationMSCNotReachable	6031
IuCS_emergencyCallfailed	6032
IuCS_failedToSendPAGINGToBSR	6033
IuCS_failedToSendRelocationRequestMsgToDestBSR	6034
IuCS_iuCsInterfaceInactive	6035
IuCS_noBSRConnectedToBSG	6036
IuCS_noBSRInReceivedLAC	6037
IuCS_receivedMTP3PauseSPInaccessible	6038
IuCS_receivedPauseForMSC	6039
IuCS_remoteMTP3Unreachable	6040
IuCS_remoteMTP3UserUnavailable	6041
IuCS_remoteSubsystemOutOfService	6042
IuCSMGW_remoteMTP3Unreachable	6021
IuCSMGW_remoteMTP3UserUnavailable	6022
IuCSPrime_csCnConnectivityLost	6023
IuCSUserplaneVCL_aConfigFailure	6024
IuCSUserplaneVCL_aEndToEndConnectionFailure	6025
IuCSUserplaneVCL_aLocallyBlockedForAdminLock	6026
IuCSUserplaneVCL_aLocallyBlockedForBearerFailures	6027
IuCSUserplaneVCL_aLocallyBlockedForUnblockCfm	6028
IuCSUserplaneVCL_aRemotelyBlocked	6029
IuPS_asplinactive	6044
IuPS_destinationSGSNNotReachable	6045
IuPS_failedToSendPAGINGToBSR	6046

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Alarm name	Alarm ID
luPS_failedToSendRANAPResetToBSR	6047
luPS_failedToSendRelocationRequestMsgToDestBSR	6048
luPS_failedToSendResetResourceToBSR	6049
luPS_gtpEchoFailure	6050
luPS_iuPsInterfaceInactive	6051
luPS_noBSRConnectedToBSG	6052
luPS_noBSRInReceivedRAC	6053
luPS_receivedMTP3PauseSPInaccessible	6054
luPS_receivedPauseForSGSN	6055
luPS_remoteMTP3Unreachable	6056
luPS_remoteMTP3UserUnavailable	6057
luPS_remoteSubsystemOutOfService	6058
luPSUplane_gTPEchoFailure	6043
jdbcbactivecurrentconnectionscount	6344
jdbcbactivehighconnectionscount	6345
jdbccurrcapacity	6346
jdbcdbsize	6347
jdbcddevicecount	6348
jdbcenabledetpolicycount	6349
jdbcenableditpolicycount	6350
jdbcfailedactications	6351
jdbcfailedloginrate	6352
jdbcfailedreserverequestcount	6353
jdbcleakedconnectioncount	6354
jdbcmangementpolicycount	6355
jdbcpendingactivations	6356
jdbcwaitingcurrentconnectionscount	6357
jmsconnectionrequestcurrentcount	6358
jmsconnectionrequestpendingcount	6359
jmsconnectionrequestrate	6360
jmsdarcurentcount	6361
jmsdarpendingcount	6362
jmsdarrate	6363
jmseventsrate	6364
jmsinformeventscurrentcount	6365
jmsinformeventspendingcount	6366
jmsnbiinternalcurrentcount	6367

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Alarm name	Alarm ID
jmsnbiinternalpendingcount	6368
jmsnbiinternalrate	6369
jmsnbiobalarmcurrentcount	6370
jmsnbiobalarmpendingcount	6371
jmsnbiobalarmrate	6372
jmsnbiobcurrentcount	6373
jmsnbiobeventcurrentcount	6374
jmsnbiobeventpendingcount	6375
jmsnbiobeventrate	6376
jmsnbiobpendingcount	6377
jmsnbiobrate	6378
jmsnbiobresultcurrentcount	6379
jmsnbiobresultpendingcount	6380
jmsnbiobresultrate	6381
jtaactivetxcount	6382
jtacommittedtxrate	6383
jtrolledbacktxrate	6384
jvmfreeheapsize	6385
jvmheapfreepersent	6386
jvmheapsize	6387
jvmmaxheapsize	6388
LatchOpen	5630
LCell_candidateNeighbourIdentified	6059
LCell_carrierReSelectionNotPossible	6060
LCell_channelConfigBCHFailed	6061
LCell_channelConfigFACHFailed	6062
LCell_channelConfigPCHFailed	6063
LCell_channelConfigPRACHFailed	6064
LCell_codeAllocationFailure	6065
LCell_commonMeasInitTimeout	6066
LCell_cpBlockRequestTimeout	6067
LCell_dLCongestion	6068
LCell_hsbiteratemeasInitFail	6070
LCell_hsbiteratemeasStop	6071
LCell_hsTxCarrierPowermeasInitFail	6069
LCell_inconsistentDetectedCellInfo	6072
LCell_invalidSIBParameter	6073

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Alarm name	Alarm ID
LCell_invalidSIBSchedule	6074
LCell_neighbourListUpdate	6075
LCell_neighbourNotMeetingQualityCriteria	6076
LCell_rACHmeasInitFail	6077
LCell_rACHmeasStop	6078
LCell_rSSImeasInitFail	6079
LCell_rSSImeasStop	6080
LCell_sharedChannelConfigHSPAFailed	6082
LCell_sIBUpdateCCCErrors	6081
LCell_tpadReleaseIndFACH	6085
LCell_tpadReleaseIndPCH	6086
LCell_tpadReleaseIndRACH	6087
LCell_tSSImeasInitFail	6083
LCell_tSSImeasStop	6084
LCell_uLCongestion	6088
LCell_unknownCandidateNeighboursPSC	6089
LCPCConnectionFailure	8081
LeftLanWronglyConnected	5631
LegalReq_legalReqFileDeliveryFailure	6090
LegalReq_legalReqFileDeliveryFailureclearance	6091
LinkLoss	6389
LockOutOfProtection	8116
LockOutOfWorking	8117
LossOfOPUMultiFrameIdentifier	8118
Lssc	5632
LteCell_lteOamConfigurationFailure	6092
LteCell_lteRrcSctpAssociationFailure	6093
LteCell_pciSelectionFailure	6094
LTECellDegradedOrFaulty	8023
Lvco	5633
M3MmeAccessDegradedOrFaulty	8024
MaxFecLimitReached	6448
MaxFecThresholdChange	6449
McOmcrClientNumEntriesHigh	8057
McOmcrStatFailedChanged	8058
MCRedirectThresholdReached	8135
MetroDock_metroDockHWFailure	6101

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
MetroDock_metroDockReceivePathFailure	6102
MetroDock_wifiNoSignalDetected	6103
Misc	5634
MIdHostCModeRxQueryMismatch	8051
MIdHostInstantiationFail	8052
MIdHostMaxGroupsLimitExceeded	8053
MIdHostMaxGrpSrcsLimitExceeded	8054
MIdHostMaxSrcsLimitExceeded	8055
MIdHostRxQueryVerMismatch	8056
MME_rangeOfStreamsFromMMENotSupported	6097
MME_s1InterfaceDown	6098
MME_s1InterfaceInactive	6099
MME_s1SCTPAssociationDown	6100
MmeAccessDegradedOrFaulty	8025
MMERegion_invalidTacRegion	6095
MMERegion_s1InterfaceFailure	6096
ModulesNotProvisioned	5635
MonitoredObjectsCrossThreshold	8146
multicastclustermessageslostcount	6390
multicastcompletedrequests	6391
multicastpendingrequests	6392
NatIlsaGrpDegraded	8059
nbicapturedevice	6393
nbicapturedeviceavg	6394
nbiclearalarm	6395
nbiclearalarmavg	6396
nbicreatedevice	6397
nbicreatedeviceavg	6398
nbicreatesingledeviceoperation	6399
nbicreatesingledeviceoperationavg	6400
nbicreatesingledeviceoperationbydeviceguid	6401
nbicreatesingledeviceoperationbydeviceguidavg	6402
nbifinddevicebyguid	6403
nbifinddevicebyguidavg	6404
nbifinddevices	6405
nbifinddevicesavg	6406
nbigetactivealarms	6407

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Alarm name	Alarm ID
nbigetactivealarmsavg	6408
nbigetcacheddatamodelparameters	6409
nbigetcacheddatamodelparametersavg	6410
nbiinitiateconnectionrequest	6411
nbiinitiateconnectionrequestavg	6412
nbiraisealarm	6413
nbiraisealarmavg	6414
nbiregisterdevice	6415
nbiregisterdeviceavg	6416
nbireleasedevice	6417
nbireleasedeviceavg	6418
nbiruneventtriggeredpolicy	6419
nbiruneventtriggeredpolicyavg	6420
nbiruneventtriggeredpolicies	6421
nbiruneventtriggeredpoliciesavg	6422
nbiupdatedevicebydeviceid	6423
nbiupdatedevicebydeviceidavg	6424
nbiupdatedevicebyguid	6425
nbiupdatedevicebyguidavg	6426
NeUnavailable	8068
NextHopHeartBeat_fgwActiveSRLinkDown	6151
NextHopHeartBeat_fgwStandbySRLinkDown	6152
NotAligned	5637
NTPServerIsNotReachable	5636
OAM_120	6153
OAM_121	6154
OAM_122	6155
OAM_123	6156
OAM_124	6157
OAM_160	6158
OAM_161	6159
OAM_162	6160
OAM_163	6161
OAM_164	6162
OAM_165	6163
OAM_223	6164
OMSTrailDown	8082

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Alarm name	Alarm ID
OperDownInvalidMac	8144
OperDownInvalidMacClear	8145
osavailableprocessercount	6427
oscommittedvirtualmemory	6428
osfreephysicalmemory	6429
osfreeswapsspace	6430
osmaxfiledescriptor	6431
osopenfiledescriptor	6432
OSPFAdjacencyFailure	8083
osprocessuptime	6433
ostotalphysicalmemory	6434
ostotalswapsspace	6435
OTSTrailDown	8084
PCIEthernetCard_cardFailure	6165
PCIEthernetPort_cardFailure	6166
PCIEthernetPort_interfaceActive	6167
periodicinformpercentage	6436
PhysicalInterfaceB_vLANInterfaceDown	6170
PhysicalRemoval	5639
PlcyAcctStatsEventOvrflw	5640
PM_pmAuthenticationError	6168
PM_pmCommunicationError	6169
PortEtherSymMonSDAlarm	5662
PortEtherSymMonSFAlarm	5663
PowerFailure	5641
PowerModule_voltageALocalFailure	6171
PowerModule_voltageARemoteFailure	6172
PowerModule_voltageBLocalFailure	6173
PowerModule_voltageBRemoteFailure	6174
PowerSupplySlot_presenceDetectedAssert	6175
PowerSupplySlot_presenceDetectedDeassert	6176
PowerSupplySlot_pwrSupFailuerDeassert	6177
PowerSupplySlot_pwrSupFailureAssert	6178
PowerSupplySlot_pwrSupInputLost	6179
PRCDRERR	5638
Presence_presenceServerFailure	6180
Presence_publishRespBadEvent	6181

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Alarm name	Alarm ID
Presence_publishRespInvalidReq	6182
Presence_publishRespNotFound	6183
Presence_publishRespTimeOut	6184
Presence_publishRespUnsupMediaType	6185
PrimaryVirtualSwitchControllerFailed	5429
ProcessMonitor_processRestart	6186
ProcessMonitor_processRestartThreshold	6187
PsRegion_invalidSuperLacOverlap	6188
QChipResetProtImpact	5642
Radio_clockSynchronisationFailure	6195
Radio_ntpServiceUnavailable	6196
Radio_outOfOperatingCondition	6197
Radio_overTemperature	6198
Radio_rxDiversityMalfunction	6199
Radio_rxMalfunction	6200
Radio_txMalfunction	6201
Radio_underTemperature	6202
reachabledevicecount	6437
ReceiveTimingFailure	5643
RemoteInventoryMismatch	5644
ReservedRouteTargetMismatch	6446
RFTrace_rfTraceDedicatedFailure	6189
RFTrace_rfTraceHsdpaFailure	6190
RightLanWronglyConnected	5645
RouteTargetConflict	6447
RouteTargetMisConfigured	8139
RPKISessionNotEstablished	8136
RPSPathFail	8133
RTM_rtmMP3_3V	6191
RTM_rtmPower12V	6192
RTM_rtmPowerCurrent	6193
RTM_rtmPowerPGD	6194
RxDivMissing	5646
SasResyncWorkerQueueOverflow	8137
SCTPASSOC_associationEstablishmentFailure	6203
SCTPASSOC_sctpAssocAssociationDownAlarm	6204
SCTPASSOC_sctpAssocDnsFailure	6205

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## 1 – 5620 SAM alarm information

Alarm name	Alarm ID
SCTPAssociation_sCTPCantStart	6206
SCTPAssociation_sCTPcommunicationLost	6208
SCTPAssociation_sCTPPeerAddressChange	6207
SDM_dbDownloadFailure	6209
SDM_suActivationFailure	6210
SDM_suDownloadFailure	6211
SDM_toneFileCorrupt	6212
SDM_toneFileDownloadFailure	6213
ServerHardware_chassisIntrusionAssert	6221
ServerHardware_chassisIntrusionDeassert	6222
ServerHardware_dnsServerDown	6223
ServerHardware_dskRedDegraded	6224
ServerHardware_dskRedDegradedFromFull	6225
ServerHardware_dskRedInsufficientResource	6226
ServerHardware_dskRedLost	6227
ServerHardware_dskRedLostFunctioning	6228
ServerHardware_dskRedMinimumResource	6229
ServerHardware_dskRedNotFullyRedundant	6230
ServerHardware_dskRedRegained	6231
ServerHardware_IANLostDeassert	6232
ServerHardware_IANLostAssert	6233
ServerHardware_platformSecOutOfBandPswd	6234
ServerHardware_platformSecViolationAttempt	6235
ServerHardware_pwrRedDegraded	6236
ServerHardware_pwrRedInsufficientResource	6237
ServerHardware_pwrRedLost	6238
ServerHardware_pwrRedMinimumResource	6239
ServerHardware_pwrRedRegained	6240
ServerHardware_sntpServerDown	6241
ServerSignalFailureEth	8085
ServerSignalFailureOch	8086
ServerSignalFailureOnLine	8087
ServerSignalFailureOnPath	8088
ServerSignalFailureOnSection	8089
ServiceMisConfigured	8140
Servicing	5648
SflowCpEntrySampling	8142

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Alarm name	Alarm ID
SflowPacketTransmissionFailure	8143
SFMInterconnectPortDegraded	5647
ShelfMixedOperationMode	5649
ShelfOutage	5650
ShelfUnAvailable	5651
ShelfUpgradeForMtx	5652
ShutdownTemperatureDetected	5653
SignalDegradeBitErrorRatio	8090
SignalDegradeBitErrorRatioOnPath	8119
SignalDegradeBitErrorRatioOnSection	8120
SlippingTimeSignal	8091
socketcount	6438
SoftwareDownloadInProgress	5654
SS7Link_mtp3LinkDown	6216
SS7Link_mtp3LinkRemotelyBlocked	6217
SS7Link_qsaalLinkCongested	6218
SS7LinkSet_congestionTowardsRemoteMTP3	6214
SS7LinkSet_remoteMTP3Unreachable	6215
SS7Stack_sS7StackFailure	6219
SS7Stack_trilliumBuffersBelowThreshold	6220
StandbyDbc	5655
StatsRetrieval	8069
SubscriberMisConfigured	8141
SubscriberTraceConfig_subscriberTraceRecordingSessionFailure	6242
SubscriberTraceConfig_subscriberTraceUploadFailure	6243
SubSysChassMemoryUsageHi	5656
SystemInitialization	8070
SystemInitializationNewFailure	8071
TBbeOdu	8121
TBbeOtu	8122
TCvs	8092
TEsOdu	8123
TEsOtu	8124
TEss	8093
TFecc	8125
threadidlecount	6439
threadpendingrequestcount	6440

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Alarm name	Alarm ID
threadqueuelength	6441
threadstandbycount	6442
threadthroughput	6443
threadtotalcount	6444
TimeRefDisqualified	8072
TimeRefSelect	8073
TOD_externalClockReferenceFailure	6244
TOD_snmpServerDownNode1	6245
TOD_snmpServerDownNode2	6246
TOfsRs15Min	5657
TOfsRs1Day	5658
TOprh	8094
TOprl	8095
TOpth	8096
TOptl	8097
TrailDegrade	8101
TrailTraceIdentifierMismatchOnPath	8102
TrailTraceIdentifierMismatchOnSection	8103
TransportServerFailure	8104
TransportServiceDegrade	8105
TSefss	8098
TSesOdu	8126
TSesOtu	8127
TSess	8099
TUasOdu	8128
TUasOtu	8129
TUass	8100
TwampReflectorAlarm	8138
UDPPortAssignmentProblem	8026
UnavailableTimeOdu	8130
UnavailableTimeOtu	8131
UnavailableTimeRegeneratorSection	8106
UnderlyingResourceUnavailableOnPath	8132
UnderlyingResourceUnavailableOnSection	8107
UnderlyingResourceUnavailableOptical	8108
UnmanagedMplsTpSDPTunnelSite	8147
UnrecommendedNAT64DestinationPrefix	8060

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Alarm name	Alarm ID
UnsupportedSFFinInterConnectPort	5659
userlockouttotalcount	6445
VirtualPortDown	5434
VirtualSwitchIpAddressDuplicated	5435
VirtVpnBGPPrefixConflict	5431
VirtVpnBGPPrefixUnreachable	5432
VirtVpnBGPPrefixWithdrawnNotReceived	5433
VprnTypeMismatched	8149
VSiteServiceImpacted	5430
VwmShelfCardIdMismatch	5660
VwmShelfCardRemoved	5661
WaitToRestore	8109
WiFi_wifiNoSignalDetected	6247
WlanGwIsaGrpDegraded	8150
WmmLSS_cpiHOFailuresFrom2g3goverGn	8028
WmmLSS_cpiInterSgsn2GruaFailures	8029
WmmLSS_cpiInterSgsn3GruaFailures	8030
WmmLSS_cpiInterSgsnSrnsFailures	8031
WmmLSS_cpiIntraSgsn2GruaFailures	8032
WmmLSS_cpiIntraSgsn3GruaFailures	8033
WmmLSS_cpiIntraSgsnSrnsFailures	8034
WmmLSS_cpiSgsn2GattachFailures	8037
WmmLSS_cpiSgsn2GpagingFailures	8038
WmmLSS_cpiSgsn2GpdpActivationFailures	8039
WmmLSS_cpiSgsn2GpdpDeactNwFailures	8040
WmmLSS_cpiSgsn3GattachFailures	8041
WmmLSS_cpiSgsn3GpagingFailures	8042
WmmLSS_cpiSgsn3GpdpActivationFailures	8043
WmmLSS_cpiSgsn3GpdpDeactNwFailures	8044
WmmLSS_cpiSgsnPdpDeact2GmsFailures	8045
WmmLSS_cpiSgsnPdpDeact3GmsFailures	8046
WmmLSS_cpiSgsnPdpMod3GmsFailures	8047
WmmLSS_cpiSgsnPdpMod3GnwFailures	8048
WmmLSS_cpiSS7DropSCTPPktsRcvd	8035
WmmLSS_cpiSS7FailSCTPFastRetransRate	8036
WmmLSS_ippuDegraded	8049
WmmLSS_sgwResourceDegraded	8050

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Alarm name	Alarm ID
X2AccessDegradedOrFaulty	8027

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**New alarms for 5620 SAM Release 12.0 R3**

Table 1-3 lists the new alarms for 5620 SAM Release 12.0 R3.

**Table 1-3 New alarms for 5620 SAM Release 12.0 R3**

Alarm name	Alarm ID
AesFipsFailure	5437
ApeInProgress	5559
BackupUnavail	5560
BadClkFreq	5438
CardClkOffFreq	5439
ChannelViolation	5561
ColorViolation	5562
CommDeg	5563
CommDown	5564
EptUploadErr	5565
EsCableMismatch1	5566
FAN32HRQD	5440
FeasibilityViolation	5567
FipsFailure	5444
FPGAFAILNSA	5441
FPGAINITNSA1	5442
FPGATIMEOUTNSA	5443
FwMismatch	5445
ImageNotReady	5446
InMigration	5568
LinkDiversity	5569
LocalPacketLost	5592
LOSOAMP	5447
LossOfOpticalSignal	5593
LossOfSonetSdhFrame	5594
LspFailedApe	5570
LspFailedPre	5571
LspFailedTp	5572

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Alarm name	Alarm ID
LspFailedUnprot	5573
LspFailedXc	5574
MepError	5508
MepMacError	5509
MepXcon	5510
NeUnreachable	5575
NodeDeg	5576
NoTdmPayload	5595
NunvComm	5577
NunvConfig	5578
NunvIndetermined	5579
NunvReversion	5580
NunvTpBlocked	5581
NunvTransmission	5582
NvMismatch	5583
OpticalParamErr	5584
ReadyToRevert	5586
RemotePacketLost	5596
ReRouted	5585
RestorationDisabled	5587
RouteNotPossible	5588
SapMacAddrLimitReached	5597
ShelfInVoltMaxCur	5448
SrgDiversity	5589
SubNodeUnreachable	5590
SuspectClkFreq	5449
TCMAis	5450
TestMode	5591
TOprhLane1	5451
TOprlLane1	5452
TOpthLane1	5453
TOptlLane1	5454
TPmonDmaBfd15Min	5511
TPmonDmaBfd1Day	5512
TPmonDmaffd15Min	5515
TPmonDmaffd1Day	5516
TPmonDmafFdv15Min	5513

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Alarm name	Alarm ID
TPmonDmafFdv1Day	5514
TPmonDmanfd15Min	5519
TPmonDmanfd1Day	5520
TPmonDmanFdv15Min	5517
TPmonDmanFdv1Day	5518
TPmonDmxBfd15Min	5521
TPmonDmxBfd1Day	5522
TPmonDmxffd15Min	5525
TPmonDmxffd1Day	5526
TPmonDmxFFdv15Min	5523
TPmonDmxFFdv1Day	5524
TPmonDmxnfd15Min	5529
TPmonDmxnfd1Day	5530
TPmonDmxnFdv15Min	5527
TPmonDmxnFdv1Day	5528
TPmonLmafflr15Min	5531
TPmonLmafflr1Day	5532
TPmonLmanflr15Min	5533
TPmonLmanflr1Day	5534
TPmonLmfhli15Min	5535
TPmonLmfhli1Day	5536
TPmonLmnhli15Min	5537
TPmonLmnhli1Day	5538
TPmonLmxfflr15Min	5539
TPmonLmxfflr1Day	5540
TPmonLmxnflr15Min	5541
TPmonLmxnflr1Day	5542
TPmonPortHighCapacityOctets15Min	5455
TPmonPortHighCapacityOctets1Day	5456
TPmonPortHighCapacityPkts15Min	5457
TPmonPortHighCapacityPkts1Day	5458
TPmonPortIfInDiscards15Min	5459
TPmonPortIfInDiscards1Day	5460
TPmonPortIfInErrors15Min	5461
TPmonPortIfInErrors1Day	5462
TPmonPortIfInOctets15Min	5463
TPmonPortIfInOctets1Day	5464

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Alarm name	Alarm ID
TPmonPortIfInPackets15Min	5465
TPmonPortIfInPackets1Day	5466
TPmonPortIfOutDiscards15Min	5467
TPmonPortIfOutDiscards1Day	5468
TPmonPortIfOutErrors15Min	5469
TPmonPortIfOutErrors1Day	5470
TPmonPortIfOutOctets15Min	5471
TPmonPortIfOutOctets1Day	5472
TPmonPortIfOutPackets15Min	5473
TPmonPortIfOutPackets1Day	5474
TPmonPortQueue1OctetsDropped15Min	5475
TPmonPortQueue1OctetsDropped1Day	5476
TPmonPortQueue1PktsDropped15Min	5477
TPmonPortQueue1PktsDropped1Day	5478
TPmonPortQueue2OctetsDropped15Min	5479
TPmonPortQueue2OctetsDropped1Day	5480
TPmonPortQueue2PktsDropped15Min	5481
TPmonPortQueue2PktsDropped1Day	5482
TPmonPortQueue3OctetsDropped15Min	5483
TPmonPortQueue3OctetsDropped1Day	5484
TPmonPortQueue3PktsDropped15Min	5485
TPmonPortQueue3PktsDropped1Day	5486
TPmonPortQueue4OctetsDropped15Min	5487
TPmonPortQueue4OctetsDropped1Day	5488
TPmonPortQueue4PktsDropped15Min	5489
TPmonPortQueue4PktsDropped1Day	5490
TPmonPortQueue5OctetsDropped15Min	5491
TPmonPortQueue5OctetsDropped1Day	5492
TPmonPortQueue5PktsDropped15Min	5493
TPmonPortQueue5PktsDropped1Day	5494
TPmonPortQueue6OctetsDropped15Min	5495
TPmonPortQueue6OctetsDropped1Day	5496
TPmonPortQueue6PktsDropped15Min	5497
TPmonPortQueue6PktsDropped1Day	5498
TPmonPortQueue7OctetsDropped15Min	5499
TPmonPortQueue7OctetsDropped1Day	5500
TPmonPortQueue7PktsDropped15Min	5501

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Alarm name	Alarm ID
TPmonPortQueue7PktsDropped1Day	5502
TPmonPortQueue8OctetsDropped15Min	5503
TPmonPortQueue8OctetsDropped1Day	5504
TPmonPortQueue8PktsDropped15Min	5505
TPmonPortQueue8PktsDropped1Day	5506
TPmonSapIngressOctetsDropped15Min	5598
TPmonSapIngressOctetsDropped1Day	5599
TPmonSapIngressPktsDropped15Min	5600
TPmonSapIngressPktsDropped1Day	5601
TPmonSImafflr15Min	5544
TPmonSImafFlr1Day	5543
TPmonSImafflrContinuous	5545
TPmonSImanflr15Min	5547
TPmonSImanFlr1Day	5546
TPmonSImanflrContinuous	5548
TPmonSImfhli15Min	5549
TPmonSImfhli1Day	5550
TPmonSImfhliContinuous	5551
TPmonSImnhli15Min	5552
TPmonSImnhli1Day	5553
TPmonSImnhliContinuous	5554
TPmonSImxflr1Day	5555
TPmonSImxflrContinuous	5556
TPmonSImxnFlr1Day	5557
TPmonSImxnflrContinuous	5558
UserPayloadMismatchOut	5507

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## New alarms for 5620 SAM Release 12.0 R2

Table 1-4 lists the new alarms for 5620 SAM Release 12.0 R2.

Table 1-4 New alarms for 5620 SAM Release 12.0 R2

Alarm name	Alarm ID
CTAuxMisalignmentWhileEnbAutoAllocationDisabled	5423
FanCommunicationProblem	5424
PowerSupplyInputFeedDown	5422

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Alarm name	Alarm ID
RFSwitchFail	5425
SubRackBatteryFail	5426
SubRackSecondaryBatteryFail	5427
WMMPMFileNotificationMissing	5387

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## New alarms for 5620 SAM Release 12.0 R1

Table 1-5 lists the new alarms for 5620 SAM Release 12.0 R1.

**Table 1-5 New alarms for 5620 SAM Release 12.0 R1**

Alarm name	Alarm ID
ABSAAlarm	5187
AGWGTPPMIPPeerLastRestartInfo	5189
AllBgpPeerConnectionsDown	5417
AuthKeyConflict	5188
AuxiliaryDatabaseProxyStateChangeDetected	5170
AuxiliaryDatabaseProxyUnreachable	5171
AuxiliaryDatabaseStateChangeDetected	5172
AuxiliaryDatabaseStatus	5173
ConcurrentSessionExceedsHigh	5401
ConcurrentSessionExhausted	5402
CpaaAreaUnreachableThroughISIS	5418
CpaaAreaUnreachableThroughOSPF	5419
CpaaAreaUnreachableThroughOSPFv3	5420
CpmProtectionViolationSDPEntry	5415
DatabaseServerErrors	5174
DiamAppMessageDropped	5175
DiamAppSessionFailure	5410
GfpLof	5176
GwPoolCapacityAlarmMajor	5190
GwPoolCapacityAlarmMinor	5191
IK4001031	5192
IK4003001	5193
IK4003002	5194
IK4003004	5195
IK4003006	5196

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<b>Alarm name</b>	<b>Alarm ID</b>
IK4003081	5197
IK4003082	5198
IK4003083	5199
IK4003103	5200
IK4004003	5201
IK4004004	5202
IK4004005	5203
IK4004006	5204
IK4004007	5205
IK4004008	5206
IK4004107	2266
IK4004126	2285
IK4004127	2286
IK4004128	2287
IK4004129	2288
IK4004130	2289
IK4004131	2290
IK4004132	2291
IK4004133	2292
IK4004134	2293
IK4004135	2294
IK4004136	2295
IK4004138	2297
IK4004139	2298
IK4004143	5207
IK4004193	5208
IK4004194	5209
IK4004195	5210
IK4004196	5211
IK4004197	5212
IK4005002	2301
IK4005003	2302
IK4005004	2303
IK4005005	5213
IK4005006	2304
IK4005007	2305
IK4005008	2306

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Alarm name	Alarm ID
IK4005009	2307
IK4005010	2308
IK4007003	5214
IK4007007	5215
IK4007009	5216
IK4007014	5217
IK4007015	5218
IK4007016	5219
IK4007017	5220
IK4007018	5221
IK4007020	5222
IK4007024	5223
IK4007025	5224
IK4007028	5225
IK4007029	5226
IK4008015	5227
IK4008016	5228
IK4008017	5229
IK4008018	5230
IK4008019	5231
IK4009008	5232
IK4009009	5233
IK4009013	5234
IK4009014	5235
IK4009017	5236
IK4009030	5237
IK4010039	5238
IK4012030	5239
IK4015000	5240
IK4015001	5241
IK4015002	5242
IK4015007	5243
IK4015008	5244
IK4015009	5245
IK4015010	5246
IK4015011	5247
IK4015012	5248

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<b>Alarm name</b>	<b>Alarm ID</b>
IK4015013	5249
IK4015014	5250
IK4015015	5251
IK4015016	5252
IK4015017	5253
IK4015018	5254
IK4015019	5255
IK4015020	5256
IK4015021	5257
IK4015022	5258
IK4015023	5259
IK4015024	5260
IK4015025	5261
IK4015026	5262
IK4015027	5263
IK4015028	5264
IK4015029	5265
IK4015030	5266
IK4015031	5267
IK4016000	5268
IK4016001	5269
IK4016002	5270
IK4016003	5271
IK4016004	5272
IK4016005	5273
IK4016006	5274
IK4016007	5275
IK4016008	5276
IK4016009	5277
IK4016010	5278
IK4016011	5279
IK4016012	5280
IK4016013	5281
IK4017000	5282
IK4017001	5283
IK4017002	5284
IK4017003	5285

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Alarm name	Alarm ID
IK4017004	5286
IK4017005	5287
IK4017006	5288
IK4017007	5289
IK4017008	5290
IK4017009	5291
IK4017010	5292
IK4017011	5293
IK4017012	5294
IK4017013	5295
IK4018000	5296
IK4018001	5297
IK4018002	5298
IK4018003	5299
IK4018004	5300
IK4018005	5301
IK4018006	5302
IK4018007	5303
IK4018008	5304
IK4018009	5305
IK4018010	5306
IK4018011	5307
IK4018012	5308
IK4018013	5309
IK4019000	5310
IK4019001	5311
IK4019002	5312
IK4019003	5313
IK4019004	5314
IK4019005	5315
IK4019006	5316
IK4019007	5317
IK4019008	5318
IK4019009	5319
IK4019010	5320
IK4019011	5321
IK4019012	5322

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<b>Alarm name</b>	<b>Alarm ID</b>
IK4019013	5323
IK4020000	5324
IK4020001	5325
IK4020002	5326
IK4020003	5327
IK4020004	5328
IK4020005	5329
IK4020006	5330
IK4020007	5331
IK4020008	5332
IK4020009	5333
IK4020010	5334
IK4020011	5335
IK4020012	5336
IK4020013	5337
IK4021000	5338
IK4021001	5339
IK4021002	5340
IK4021003	5341
IK4021004	5342
IK4021005	5343
IK4021006	5344
IK4021007	5345
IK4021008	5346
IK4021009	5347
IK4021010	5348
IK4021011	5349
IK4021012	5350
IK4021013	5351
IK4305116	5352
IK4305117	5353
IK4305118	5354
IK4305128	5355
IK4305153	5356
IK4305154	5357
IK4305184	5358
IK4305185	5359

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Alarm name	Alarm ID
IK4305186	5360
IK4306000	5361
IK4306015	5362
IK4306016	5363
IK4306017	5364
IK4306035	5365
IK4306036	5366
IK4306037	5367
IK4306038	5368
IK4306039	5369
IK4306040	5370
IK4306041	5371
IK4306042	5372
IK4306043	5373
IK4306061	5374
IK4306062	5375
IK4306063	5376
IK4306064	5377
IK4306065	5378
IK4306067	5379
IK4306068	5380
IK4306080	5381
IK4306081	5382
IK4306082	5383
IK4901061	5384
IK4906011	5385
IK4906012	5386
IPSecRUSAFailToAddRoute	5185
IPSecRUTnIFailToCreate	5186
KeyDomainErr	5177
LowSwitchFabricCap	5178
MldGrpIfSapCModeRxQueryMism	5390
MldGrpIfSapMaxGroupsLimitExceeded	5391
MldGrpIfSapMaxGrpSrcLimExcd	5392
MldGrpIfSapMaxSourcesLimitExceeded	5393
MldGrpIfSapRxQueryVerMism	5394
MldMaxGrpSrcsLimitExceeded	5395

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Alarm name	Alarm ID
MldMaxSrcsLimitExceeded	5396
NatLsnSubscriberIcmpPortUsgHigh	5397
NatLsnSubscriberSessionUsgHigh	5398
NatLsnSubscriberTcpPortUsgHigh	5399
NatLsnSubscriberUdpPortUsgHigh	5400
netconfEventReplayFailure	5389
NtpChkSig	5403
OchKeysReused	5180
OchKeyUnavail	5179
OFFlowEntryDeploymentCreateFailed	5405
OFFlowEntryDeploymentDeleteFailed	5406
OFLogicalPortStatusMplsTpNotSet	5407
OFLogicalPortStatusRsvpTeNotSet	5408
OFSwitchDown	5409
PowerSupplyACRectifierFailure	5181
ProvPowerCapacity	5182
SasPmBinAlarmLimitReached	5413
SasPmBinStatThresholdExceeded	5412
sdpPbbActvPwWithNonActvCtrlPwChg	5416
StatsPollerProblem	5404
SubSlaacOverride	5414
SubVirtualSubnetHostsDeleted	5411
TChipMemoryError	5183
unsupportedPortUsage	5184
WmmLSS_cdrFileStorageSpaceThreshold	5388
WppPortalUnreachable	5421

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## 2 — 5620 SAM platform alarms

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**Note** — Some alarms that the 5620 SAM can raise against the 5620 SAM platform may not be listed in this chapter. Associating alarms with specific domains is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against the 5620 SAM platform, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 2-1 AccountingPolicyDown**

Alarm	Attributes	Applicable major releases
Name: AccountingPolicyDown (538) Type: AccountingPolicy (54) Package: accounting Raised on class: accounting.Policy	Severity: critical Implicitly cleared: true Default probable cause: accountingPolicyDown (414)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an accounting policy goes operationally Down after a file creation failure at the specified admin and backup locations.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> The file creation error is most likely a result of a flash disk full condition. Please analyse the content of the flash disk and remove redundant files. After this operation is complete please administratively toggle the accounting policy down/up. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 2-2 ActivationSessionActiveTooLong**

Alarm	Attributes	Applicable major releases
Name: ActivationSessionActiveTooLong (1153) Type: configurationAlarm (11) Package: activation Raised on class: activation.Session	Severity: warning Implicitly cleared: true Default probable cause: activationSessionOpen (857)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an activation session has been active for 24 hours.		
<b>Remedial action:</b> Close the Activation Session.		

**Table 2-3 ActivitySwitch**

Alarm	Attributes	Applicable major releases
Name: ActivitySwitch (182) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server activity switch occurs.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why connectivity between the primary and standby SAM servers is unreliable.		

**Table 2-4 AlarmQueueOverflowed**

Alarm	Attributes	Applicable major releases
Name: AlarmQueueOverflowed (3683) Type: qualityOfServiceAlarm (82) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: queueSizeExceeded (712)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the alarm queue size exceeds the allowed maximum. When this happens, the 5620 SAM discards alarms.		
<b>Remedial action:</b> An excessive number of traps are being received by 5620 SAM from the NEs in the network. 5620 SAM discards excess traps and recovers them from the network once the trap rate subsides. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-5 AlarmReplayFailure

Alarm	Attributes	Applicable major releases
Name: AlarmReplayFailure (5121) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the Alarm Replay fails. It is stored in Alarm Historical table.		
<b>Remedial action:</b> An Alarm Replay has failed (usually due to communication problems) - Some alarms may be missing in the Historical Alarm List.		

Table 2-6 AllArchiveLogsDeleted

Alarm	Attributes	Applicable major releases
Name: AllArchiveLogsDeleted (199) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM deletes all database archive logs because it requires more disk space. When database disk space is low, the 5620 SAM first deletes the archive logs that have been applied to the standby database and raises the OldArchiveLogsDeleted alarm. If deleting the applied archive logs does not free up sufficient disk space, the 5620 SAM deletes the remaining archive logs, which creates an archive log gap that requires a standby database instantiation to correct. The alarm is raised only in a redundant 5620 SAM system.		
<b>Remedial action:</b> The standby database should be manually re-instantiated using the commands available in the SAM GUI. Alcatel-Lucent support should be contacted for further investigation.		

Table 2-7 ArchiveLogDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major releases
Name: ArchiveLogDiskSpaceBelowThreshold (197) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary or standalone database archived log disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The archive log directory has become too full. Performing a manual database backup is required to reduce the size of this directory. If the alarm persists then the frequency of database backups must be increased.		

**Table 2-8 ArchiveLogDiskSpaceSizeMismatch**

Alarm	Attributes	Applicable major releases
Name: ArchiveLogDiskSpaceSizeMismatch (2935) Type: diskSpaceIssue (99) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary and standby database archived log directory sizes do not match.		
<b>Remedial action:</b> Disk space should be adjusted on the database servers to ensure adequate and equal space is reserved.		

**Table 2-9 AuthenticationFailure**

Alarm	Attributes	Applicable major releases
Name: AuthenticationFailure (128) Type: communicationsAlarm (4) Package: security Raised on class: security.TSecurityManager	Severity: warning Implicitly cleared: true Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a configurable number of attempts to log in to a 5620 SAM client fail. The alarm information includes the user name. The 5620 SAM will clear the alarm upon a successful user login or account deletion.		
<b>Remedial action:</b> Informational - the additional text field of the alarm will provide more details.		

**Table 2-10 AuthorizationFailure**

Alarm	Attributes	Applicable major releases
Name: AuthorizationFailure (529) Type: communicationsAlarm (4) Package: security Raised on class: security.TSecurityManager	Severity: warning Implicitly cleared: false Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a configurable number of attempts to delete or modify an object that is not in the current user span of control fail.		
<b>Remedial action:</b> Informational - the additional text field of the alarm will provide more details.		

Table 2-11 AuxiliaryServerAssignmentProblem

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerAssignmentProblem (5135) Type: processingErrorAlarm (81) Package: server Raised on class: server.AuxiliaryServer	Severity: warning Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> This alarm is raised when a NE cannot be assigned to an AuxiliaryServer during load balancing or manual assignment operation.		
<b>Remedial action:</b> Ensure the NE is managed, reachable and that no configuration operation is in progress on that NE and relaunch the operation.		

Table 2-12 BackupDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major releases
Name: BackupDiskSpaceBelowThreshold (195) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary or standalone database backup disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details. Additional disk space must be made available for the backup location or a different, larger backup location must be configured.		

Table 2-13 BackupRestoreApplicationLockNotObtained

Alarm	Attributes	Applicable major releases
Name: BackupRestoreApplicationLockNotObtained (1962) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> This alarm is raised when the Backup/Restore Application is unable to acquire lock. Retry the Backup/Restore Operation once the lock is released by the other application.		
<b>Remedial action:</b> Retry the Backup/Restore Operation once the lock is released by the other application.		

**Table 2-14 BgpEventDbSizeThresholdExceeded**

Alarm	Attributes	Applicable major releases
Name: BgpEventDbSizeThresholdExceeded (3703) Type: configurationAlarm (11) Package: topology Raised on class: topology.BgpEventPartitionManager	Severity: variable Implicitly cleared: true Default probable cause: BGPEventDBSizesNotSufficient (1443)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the actual DB size consumed by BGP Events exceeds the threshold.		
<b>Remedial action:</b> BGP Events DB storage reached threshold or exceeded, increase "Max BGP Events DB Size" in BGP Event Manager GUI.		

**Table 2-15 BootConfigFailScriptNotAccesible**

Alarm	Attributes	Applicable major releases
Name: BootConfigFailScriptNotAccesible (543) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: bootConfigFailScriptNotAccesible (416)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a CLI script that runs after NE configuration file execution failure is inaccessible.		
<b>Remedial action:</b> Ensure that the CLI script (boot-bad-exec) that runs after an NE configuration file execution failure is accessible. The script location is configurable through CLI on the NE (configure system boot-bad-exec)		

**Table 2-16 BootConfigOKScriptNotAccesible**

Alarm	Attributes	Applicable major releases
Name: BootConfigOKScriptNotAccesible (544) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: bootConfigOKScriptNotAccesible (417)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a CLI script that runs after NE configuration file execution success is inaccessible.		
<b>Remedial action:</b> Ensure that the CLI script (boot-good-exec) file that runs after an NE configuration file execution success is accessible. The script location is configurable through CLI on the NE (configure system boot-good-exec)		

**Table 2-17 CacheSyncCommunicationFailure**

Alarm	Attributes	Applicable major releases
Name: CacheSyncCommunicationFailure (4390) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM standby server cannot establish a warm redundancy connection with the 5620 SAM primary server.		
<b>Remedial action:</b> Please ensure the primary and standby servers are up and verify the cache-sync connection settings in nms-server.xml.		

**Table 2-18 certifyFailureAlarm**

Alarm	Attributes	Applicable major releases
Name: certifyFailureAlarm (533) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: certifyFailureAlarm (402)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the software certification process on an NE fails.		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 2-19 CliCommandFailure**

Alarm	Attributes	Applicable major releases
Name: CliCommandFailure (402) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliCommandFailure (300)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a CLI command on an NE fails.		
<b>Remedial action:</b> Verify that the mediation profile matches the device CLI login credentials. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-20 CliConnectionProblem

Alarm	Attributes	Applicable major releases
Name: CliConnectionProblem (299) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliConnectionProblem (230)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to open a CLI session on an NE because the number of open CLI sessions on the NE is at the maximum.		
<b>Remedial action:</b> Verify that connectivity can be established to the network element. For GNE devices, verify that the GNE profile matches the device operation.		

Table 2-21 ClientDelegateServerMaxUIExceeded

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerMaxUIExceeded (730) Type: resourceAlarm (28) Package: server Raised on class: server.ClientDelegateServer	Severity: warning Implicitly cleared: true Default probable cause: clientDelegateServerMaxUIExceeded (508)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the total number of client GUI sessions on a client delegate server reaches or exceeds the configured maximum value.		
<b>Remedial action:</b> Informational - The number of available GUI client sessions has been exceeded. Please reduce the number of GUI client sessions.		

Table 2-22 CliLoginFailed

Alarm	Attributes	Applicable major releases
Name: CliLoginFailed (298) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliLoginFailed (229)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a CLI login attempt fails because of an incorrect user name or password.		
<b>Remedial action:</b> Verify that the mediation profile matches the device login credentials.		



Table 2-23 CorruptedUdpPacket

Alarm	Attributes	Applicable major releases
Name: CorruptedUdpPacket (1921) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: corruptedPacket (921)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an UDP packet for an application is corrupted.		
<b>Remedial action:</b> A call trace packet contains unexpected content. If the problem persists, the source device might be generating unexpected content.		

Table 2-24 DatabaseArchivedLogNotApplied

Alarm	Attributes	Applicable major releases
Name: DatabaseArchivedLogNotApplied (205) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: databaseArchivedLogNotApplied (159)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when, during a database backup, the 5620 SAM determines that the archive logs are not being applied to the standby database, as indicated by the archive log gap. The archive log gap threshold is defined in the nms-server.xml file. The alarm is raised only in a redundant 5620 SAM system.		
<b>Remedial action:</b> Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. If problem does not appear to be network connectivity/latency related then please contact Alcatel-Lucent support for assistance.		

Table 2-25 DatabaseBackupFailed

Alarm	Attributes	Applicable major releases
Name: DatabaseBackupFailed (136) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: databaseBackupFailure (109)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the database backup files cannot be created because of, for example, a lack of disk space or insufficient file permissions.		
<b>Remedial action:</b> Check the additional text of the alarm for guidance as to the specifics of the problem. Possible causes are lack of disk space or insufficient file permissions or the backup cannot finish on time. If the backup cannot finish on time, re-attempt the database backup.		

**Table 2-26 DatabaseBackupInvalidConfig**

Alarm	Attributes	Applicable major releases
Name: DatabaseBackupInvalidConfig (1117) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: InvaliddbBackupConfiguration (829)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the directory location specified for database scheduled backups is empty.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The backup destination must be configured in the database backup policy.		

**Table 2-27 DatabaseBackupRsyncFailed**

Alarm	Attributes	Applicable major releases
Name: DatabaseBackupRsyncFailed (749) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: databaseBackupFileRsyncFailed (525)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when one or more database backup files cannot be copied to the standby database station.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the standby database function, loss of network connectivity between the primary and standby database servers.		

**Table 2-28 DatabaseRedundancyArchiveGap**

Alarm	Attributes	Applicable major releases
Name: DatabaseRedundancyArchiveGap (611) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: DatabaseRedundancyArchiveGap (454)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM main server detects an archive log gap. An archive log gap occurs when a number of archive logs cannot be applied to the standby database. The alarm may indicate that the primary database is out of archive log disk space, the standby database has been down for too long, or the standby database is not able to process the archive logs at the rate that the primary database sends them. The alarm clears after a standby database reinstantiation, which corrects the archive log gap. The alarm is raised only in a redundant 5620 SAM system.		
<b>Remedial action:</b> The standby database should be manually re-instantiated using the commands available in the SAM GUI. Alcatel-Lucent support should be contacted for further investigation.		

Table 2-29 DatabaseRedundancyFailure

Alarm	Attributes	Applicable major releases
Name: DatabaseRedundancyFailure (246) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: DatabaseRedundancyFailure (184)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a standby database problem, for example, the database is down or not in managed recovery mode. The alarm clears when the standby database is functional. The alarm is raised only in a redundant 5620 SAM system.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the standby database function, loss of network connectivity between the primary and standby database		

Table 2-30 DatabaseRedundancyOutOfSync

Alarm	Attributes	Applicable major releases
Name: DatabaseRedundancyOutOfSync (302) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: DatabaseRedundancyOutOfSync (233)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM server polls the primary and standby databases and detects a difference in the primary and standby database archive log sequence numbers that is greater than one. The alarm may indicate that the primary database is not sending archive logs to the standby quickly enough, or that the standby database is not able to process the archive logs at the rate that the primary sends them. The alarm is raised only in a redundant 5620 SAM system.		
<b>Remedial action:</b> Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. Ensure that network connectivity is available and that network latency is within limits published by Alcatel-Lucent. If the network is functioning contact Alcatel-Lucent support for assistance.		

Table 2-31 DatabaseRedundancyRealTimeApplyFailure

Alarm	Attributes	Applicable major releases
Name: DatabaseRedundancyRealTimeApplyFailure (296) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: true Default probable cause: DatabaseRedundancyRealTimeApplyFailure (227)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when database redundancy falls out of real-time apply transfer mode, which means that the primary database transactions are not immediately replicated to the standby database. The alarm clears when the database is operating in real-time apply mode.		
<b>Remedial action:</b> Possible causes include loss of network connectivity between the primary and standby database platforms or network latency. This can be intermittent where the software will recover from this state. Ensure that network connectivity is available and that network latency is within limits published by Alcatel-Lucent. If the network is functioning contact Alcatel-Lucent support for assistance.		

**Table 2-32 DatabaseSqlFormatInvalid**

Alarm	Attributes	Applicable major releases
Name: DatabaseSqlFormatInvalid (4419) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: InvalidSqlFormat (1583)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an invalid SQL is detected by the database server.		
<b>Remedial action:</b> The probable cause of this alarm is the database server detected invalid SQL. The EmsDbServerHealth.log will provide more information. Possible causes include SQL injection and invalid SQL statement errors.		

**Table 2-33 DataFileDiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: DataFileDiskSpaceBelowThreshold (196) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary or standalone database data file disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> Informational - it may be necessary to add additional disk capacity to the platform. Please contact Alcatel-Lucent support for assistance.		

**Table 2-34 DatafileSizeAboveThreshold**

Alarm	Attributes	Applicable major releases
Name: DatafileSizeAboveThreshold (750) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: variable Implicitly cleared: true Default probable cause: HighNumberOfRecords (526)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a tablespace data file size exceeds the used space threshold.		
<b>Remedial action:</b> The probable cause of this alarm is the storage of too many records in the database. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-35 DataLossAlarm (equipment)

Alarm	Attributes	Applicable major releases
Name: DataLossAlarm (148) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: major Implicitly cleared: true Default probable cause: dataLoss (122)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a device detects an error while writing to a compact flash unit.		
<b>Remedial action:</b> The frequency at which accounting statistics are being collected must be reduced. Optionally an statistics AUX server may be added to the SAM platform complex in order to offload the statistics collection task from the main SAM server.		

Table 2-36 DataLossAlarm (sw)

Alarm	Attributes	Applicable major releases
Name: DataLossAlarm (148) Type: storageAlarm (25) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: dataLoss (122)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM receives the tmnxLogAccountingDataLoss trap, which is sent when a statistics collection interval ends while an NE is writing data to an accounting file. The statistics collection for the interval stops immediately, and collection for the next interval begins. The accounting statistics file for the interrupted collection contains an incomplete data set as a result.		
<b>Remedial action:</b> The collection interval configured on the NE is too short. Please lengthen the collection interval such that the NE has sufficient time to complete data collection within one interval. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-37 DBFailOver

Alarm	Attributes	Applicable major releases
Name: DBFailOver (201) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: databasePrimaryDown (155)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a database failover occurs. A standby database reinstantiation is required. The alarm clears when the standby database is online.		
<b>Remedial action:</b> The standby database should be manually re-instantiated using the commands available in the SAM GUI.		

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**Table 2-38 DefaultInstanceInconsistency**

Alarm	Attributes	Applicable major releases
Name: DefaultInstanceInconsistency (211) Type: ConfigurationAlarm (15) Package: policy Raised on class: policy.Manager	Severity: warning Implicitly cleared: true Default probable cause: multipleDefaultInstancesEncountered (54)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an accounting policy is the default for more then one service type or more then one network type.		
<b>Raising condition:</b> ('defaultInstanceInconsistency' EQUAL 'true')		
<b>Clearing condition:</b> ('defaultInstanceInconsistency' EQUAL 'false')		
<b>Remedial action:</b> Informational		

**Table 2-39 DeployerObjectsLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: DeployerObjectsLimitExceeded (3314) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: major Implicitly cleared: false Default probable cause: tooManyDeployerObjects (1153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of deployed objects or attributes exceeds the 5620 SAM system limit.		
<b>Remedial action:</b> Clear failed deployers to make deployers available for network operations.		

**Table 2-40 DeploymentFailure**

Alarm	Attributes	Applicable major releases
Name: DeploymentFailure (13) Type: deploymentFailure (5) Package: generic Raised on class: generic.GenericObject	Severity: minor Implicitly cleared: true Default probable cause: failedToModifyNetworkResource (11)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to create, modify, or delete a network object because of NE unreachability or a failed SNMP set operation. The alarm information includes the deployment ID, the requesting user ID, and the deployment type.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

**Table 2-41 DetectedPreProvisionedCandidateNodeHasConfig**

Alarm	Attributes	Applicable major releases
Name: DetectedPreProvisionedCandidateNodeHasConfig (1960) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: critical Implicitly cleared: false Default probable cause: detectedPreProvisionedCandidateNodeHasConfig (947)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the candidate node detected for pre-provisioning already has a configuration in it. The configuration in the detected node is replaced with the configuration in the matching pre-provisioned node in SAM during the deployment stage of self-configuration.		
<b>Remedial action:</b> Verify that the candidate network element is intended to be pre-provisioned with the specified configuration. configuration deployment stage of self-config		

**Table 2-42 DiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: DiskSpaceBelowThreshold (1934) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the disk space threshold is reached.		
<b>Remedial action:</b> This is a generic error if SAM Server free disk space is below acceptable levels. The additional text field of the alarm will provide more details of the specific problem. Reduce the disk space by changing file retention times or disk usage limits. It may be necessary to add additional disk space to the system to resolve the problem.		

**Table 2-43 DroppedUdpPackets**

Alarm	Attributes	Applicable major releases
Name: DroppedUdpPackets (1935) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyUdpPacketsBuffered (926)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of UDP Packets that await processing by the 5620 SAM surpasses the server's capacity to process them.		
<b>Remedial action:</b> The eNodeB NEs in the network are generating more data than 5620 SAM can process. Reduce the number of eNodeBs actively collecting Call Trace data to reduce the scope of data collection (i.e. be selective on the interfaces being traced).		

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Table 2-44 DuplicateRouterIdProblem

Alarm	Attributes	Applicable major releases
Name: DuplicateRouterIdProblem (411) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: duplicateRouterId (168)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that the same address is being used by multiple NEs. To prevent 5620 SAM database corruption, the 5620 SAM does not discover the NE with the duplicate address.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Re-configure the IP address in error to a correct value.		

Table 2-45 EMSysAlarmOverLoad

Alarm	Attributes	Applicable major releases
Name: EMSysAlarmOverLoad (3741) Type: processingErrorAlarm (81) Package: hip Raised on class: hip.EMSystem	Severity: critical Implicitly cleared: true Default probable cause: systemResourcesOverload (1505)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an overload of EMS alarms in the alarm list.		
<b>Raising condition:</b> ('alarmOverLoaded' EQUAL 'true')		
<b>Clearing condition:</b> ('alarmOverLoaded' EQUAL 'false')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 2-46 EMSysUnreachable

Alarm	Attributes	Applicable major releases
Name: EMSysUnreachable (2947) Type: communicationsAlarm (4) Package: hip Raised on class: hip.EMSystem	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136) Applicable probable causes: <ul style="list-style-type: none"> <li>connectionEstablishmentError</li> <li>transmissionError</li> <li>fireDetected</li> <li>lossOfRedundancy</li> <li>protectionMechanismFailure</li> <li>protectingResourceFailure</li> <li>excessiveResponseTime</li> <li>excessiveRetransmissionRate</li> </ul>	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a HIP communication link failure to the EM System while the EM System is administratively up. The alarm clears when the HIP link returns to service or the EM System is no longer administratively up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Network Connection Status' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Up') OR ('Network Connection Status' EQUAL 'Up'))		
<b>Remedial action:</b> Check network connectivity between the SAM main server and EM System server. Check that the EM System is running and connectivity to SAM is operational.		

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Table 2-47 EventsThrottled

Alarm	Attributes	Applicable major releases
Name: EventsThrottled (356) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: snmpDaemonOverloaded (141)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE throttles events because the event rate exceeds the configured maximum.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation on the NE is required to understand what is causing the consistently high rate of event traffic.		

Table 2-48 FailureToSwitchManagementProtocol

Alarm	Attributes	Applicable major releases
Name: FailureToSwitchManagementProtocol (1076) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: major Implicitly cleared: false Default probable cause: managementAddressInvalid (812)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot switch the management address of an NE from one IP version to another.		
<b>Remedial action:</b> The additional text field of the alarm will provide guidance as to the reason for the failure - the most probable cause is a configuration error. The configuration error must be corrected. Once the issue has been resolved SAM will automatically re-attempt.		

Table 2-49 firstExpirationThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: firstExpirationThresholdCrossed (2907) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: minor Implicitly cleared: true Default probable cause: ageingLicense (1113)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the specified First Expiration Threshold for RAN licensing is crossed.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ask for a new LKDI license file with a further expiration date.		

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**Table 2-50 firstUsageThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: firstUsageThresholdCrossed (2908) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: minor Implicitly cleared: true Default probable cause: insufficientPurchasedLicenses (1114)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the specified First Usage Threshold for RAN licensing is crossed.		
<b>Remedial action:</b> Ask for a new LKDI license file with more tokens.		

**Table 2-51 FrameSizeProblem (service)**

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: warning Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> ('mtuInconsistent' EQUAL 'true')		
<b>Clearing condition:</b> ('mtuInconsistent' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

**Table 2-52 FtpClientFailure**

Alarm	Attributes	Applicable major releases
Name: FtpClientFailure (357) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: ftpClientFailure (257)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE sends notification that an FTP operation initiated by the FTP client fails because of file unavailability, interruption during the file transfer, or a lack of available storage space.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space on the NE to accommodate the file transfer being attempted; the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 2-53 HostnameMismatch

Alarm	Attributes	Applicable major releases
Name: HostnameMismatch (732) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: hostnameMismatch (509)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an auxiliary or standby server host name in a 5620 SAM main server configuration does not match the host name of the auxiliary or standby server /etc/hosts file.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The standby SAM server or AUX server host names on the 5620 SAM server are not resolving correctly and must be corrected (i.e. in the /etc/hosts file).		

Table 2-54 ignoreUnknownImportedLicenses

Alarm	Attributes	Applicable major releases
Name: ignoreUnknownImportedLicenses (2910) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicenseManager	Severity: major Implicitly cleared: true Default probable cause: licenseMappingFileNotAlignedWithImportedFile (1116)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when at least one of the imported licenses in the LKDI license file is not recognized by the 5620 SAM.		
<b>Remedial action:</b> Informational - Provide a LKDI license file compliant with supported licenses.		

Table 2-55 InBandManagementConnectionDown

Alarm	Attributes	Applicable major releases
Name: InBandManagementConnectionDown (139) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function over an in-band connection.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

**Table 2-56 InstallDirectoryDiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: InstallDirectoryDiskSpaceBelowThreshold (612) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary or standalone database installation disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-57 IOReadFileFromDisk**

Alarm	Attributes	Applicable major releases
Name: IOReadFileFromDisk (5136) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: diskProblem (732)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when SAM cannot read a file from disk.		
<b>Remedial action:</b> Check the additional text of the alarm for more details. Possible causes are insufficient file permissions, disk corruption or general disk hardware failure. The additional text will provide guidance as to the specifics of the problem.		

**Table 2-58 IOWriteFileToDisk**

Alarm	Attributes	Applicable major releases
Name: IOWriteFileToDisk (5137) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: false Default probable cause: diskProblem (732)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when SAM cannot write a file to disk.		
<b>Remedial action:</b> Check the additional text of the alarm for more details. Possible causes are lack of disk space, insufficient file permissions, disk corruption or or general disk hardware failure. The additional text will provide guidance as to the specifics of the problem.		

Table 2-59 JMSSClientMessagesRemoved

Alarm	Attributes	Applicable major releases
Name: JMSSClientMessagesRemoved (532) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: minor Implicitly cleared: false Default probable cause: maximumExceededMessages (297)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of JMS messages that are queued for a 5620 SAM client exceeds the allowed number. The 5620 SAM subsequently deletes messages to keep the number within the allowed range.		
<b>Remedial action:</b> Information - if the alarm persists or is occurring frequently then investigation is required to determine a) why the underlying transport network is unreliable or b) why the OSS client which initiated the JMS connection is unable to process the JMS messages.		

Table 2-60 JMSDurableClientReset

Alarm	Attributes	Applicable major releases
Name: JMSDurableClientReset (530) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: warning Implicitly cleared: true Default probable cause: jmsServerRestart (401)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a durable JMS client is removed from the 5620 SAM because of a JMS server restart or switchover.		
<b>Remedial action:</b> Informational - the JMS server has restarted. If the alarm persists contact Alcatel-Lucent support for assistance.		

Table 2-61 JMSDurableClientUnsubscribed

Alarm	Attributes	Applicable major releases
Name: JMSDurableClientUnsubscribed (531) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: minor Implicitly cleared: false Default probable cause: maximumExceededMessages (297)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a durable JMS client is unsubscribed and removed from the 5620 SAM.		
<b>Remedial action:</b> Informational - the durable message limit for the topic has been reached and disconnected clients are automatically unsubscribed. An investigation is required to understand a) why the underlying transport network is unreliable or b) why the OSS client which initiated the JMS connection is unable to process the JMS messages.		

Table 2-62 JMSServerDown

Alarm	Attributes	Applicable major releases
Name: JMSServerDown (360) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when JMS communication fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the SAM server and the OSS system is unreliable.		

Table 2-63 JMSServerMemoryLow

Alarm	Attributes	Applicable major releases
Name: JMSServerMemoryLow (3693) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: major Implicitly cleared: false Default probable cause: jmsMessageQueueBacklog (1432)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when available memory on the JMS server is low.		
<b>Remedial action:</b> This is probably caused by SAM GUI clients or OSS clients having a large backlog of events on the JMS server. If available memory continues to decrease, the client with the largest backlog will be removed by the server. Please see the Additional Text field to identify the client with the largest backlog. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-64 KeyChainAuthFailure

Alarm	Attributes	Applicable major releases
Name: KeyChainAuthFailure (421) Type: communicationsAlarm (4) Package: security Raised on class: security.KeyChain	Severity: major Implicitly cleared: false Default probable cause: keyChainAuthFailure (314)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an incoming packet is dropped because of a TCP key chain authentication failure.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The TCP configuration related to authentication differs between the systems upon which the connection endpoints reside. Compare the configuration on the endpoint and correct the mismatch.		

**Table 2-65 LicensedCpaaLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedCpaaLimitExceeded (389) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of 7701 CPAA's in the network reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensedCpaaLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedCpaaLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAA's under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-66 LicensedCpaaLimitNearing**

Alarm	Attributes	Applicable major releases
Name: LicensedCpaaLimitNearing (390) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of 7701 CPAA's in the network reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAA's under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-67 LicensedCpaaLimitNearlyExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedCpaaLimitNearlyExceeded (391) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of 7701 CPAA's in the network reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of CPAA licenses purchased and available on the CPAM server is insufficient as compared to the number of CPAA's under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-68 LicensedLimitNearing**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitNearing (1931) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: warning Implicitly cleared: true Default probable cause: licensedLimitNearing (132)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-69 LicensedLimitNearlyExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitNearlyExceeded (1932) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: major Implicitly cleared: true Default probable cause: licensedLimitNearlyExceeded (133)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-70 LicensedLimitReached**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitReached (1933) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: major Implicitly cleared: true Default probable cause: licensedLimitReached (925)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network reaches 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		



**Table 2-71 LicenseKeysInvalid**

Alarm	Attributes	Applicable major releases
Name: LicenseKeysInvalid (1122) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: warning Implicitly cleared: true Default probable cause: LicenseKeysInvalid (836)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM server configuration is updated with a new license key and the license key is not valid.		
<b>Remedial action:</b> Informational - The license key information entered is invalid. Please re-enter the license key information. If the alarm persists contact Alcatel-Lucent support for assistance.		

**Table 2-72 LicenseMismatch**

Alarm	Attributes	Applicable major releases
Name: LicenseMismatch (342) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: critical Implicitly cleared: false Default probable cause: licenseMismatch (247)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM main server license does not match the standby 5620 SAM main server license.		
<b>Remedial action:</b> Informational - Please ensure that the same license key is installed on both the active and standby SAM/CPAM servers		

**Table 2-73 LicenseUpgradeFailed**

Alarm	Attributes	Applicable major releases
Name: LicenseUpgradeFailed (4389) Type: configurationAlarm (11) Package: nelicense Raised on class: nelicense.LicenseUpgradeStatus	Severity: major Implicitly cleared: false Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE license upgrade using the 5620 SAM fails.		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues. Invalid License File.		

**Table 2-74 licenseViolation**

Alarm	Attributes	Applicable major releases
Name: licenseViolation (2912) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: critical Implicitly cleared: true Default probable cause: noMoreTokens (1118)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a RAN license is in violation due to insufficient tokens.		
<b>Remedial action:</b> Provide a new LKDI license file with more tokens.		

**Table 2-75 LicenseViolation**

Alarm	Attributes	Applicable major releases
Name: LicenseViolation (1930) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: warning Implicitly cleared: true Default probable cause: licenseViolation (924) Applicable probable causes: <ul style="list-style-type: none"> <li>licenseViolation</li> <li>HostIdUsedInsteadOfUUIDForX86</li> </ul>	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a license violation has occurred. Alarms raised against licensed products, due to the licensed product limit being zero at the time of node discovery, will be implicitly cleared if a new license that sets the licensed product limit to not zero is imported.		
<b>Remedial action:</b> Informational - the additional text field of the alarm will provide more details. If the alarm persists contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 2-76 LogLocFailure**

Alarm	Attributes	Applicable major releases
Name: LogLocFailure (340) Type: storageAlarm (25) Package: file Raised on class: file.Policy	Severity: variable Implicitly cleared: false Default probable cause: AdminLocFailure (244) Applicable probable causes: <ul style="list-style-type: none"> <li>AdminLocFailure</li> <li>BackupLocFailure</li> </ul>	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to create a log or billing file fails. The probable cause is AdminLocFailure when using the admin location fails, in which case the backup location, if specified, is used. The probable cause is BackupLocFailure when using the backup location fails.		
<b>Remedial action:</b> The flash device targeted to store the log or billing file is either full or the directory does not exist. An analysis of the files on the flash device needs to be analyzed and redundant files removed or the directory must be configured. Log into the NE via the CLI to perform the cleanup/creation operations.		

**Table 2-77 ManagementAccessFilterMisconfigured**

Alarm	Attributes	Applicable major releases
Name: ManagementAccessFilterMisconfigured (76) Type: configurationAlarm (11) Package: sitesec Raised on classes: <ul style="list-style-type: none"> <li>• sitesec.MacMafEntry</li> <li>• sitesec.MafEntry</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: invalidSourcePortIdentifier (61)	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a MAF is misconfigured.		
<b>Raising condition:</b> ('isValidSourcePortName' EQUAL 'false')		
<b>Clearing condition:</b> ('isValidSourcePortName' EQUAL 'true')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. Please check the management access filter configuration for errors.		

**Table 2-78 ManagementAccessFilterMisconfiguredIpv6**

Alarm	Attributes	Applicable major releases
Name: ManagementAccessFilterMisconfiguredIpv6 (1112) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.MafIPv6Entry	Severity: warning Implicitly cleared: true Default probable cause: invalidSourcePortIdentifier (61)	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an IPv6 MAF is misconfigured.		
<b>Raising condition:</b> ('isValidSourcePortName' EQUAL 'false')		
<b>Clearing condition:</b> ('isValidSourcePortName' EQUAL 'true')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. Please check the management access filter configuration for errors.		

**Table 2-79 ManagementInterfaceProtectionSwitch**

Alarm	Attributes	Applicable major releases
Name: ManagementInterfaceProtectionSwitch (34) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: switchToInband (814) Applicable probable causes: <ul style="list-style-type: none"> <li>• switchToInband</li> <li>• switchToOutband</li> </ul>	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE has in-band and out-of-band management interfaces and switches from one type of management to the other.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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**Table 2-80 ManagementIpAddressMismatch**

Alarm	Attributes	Applicable major releases
Name: ManagementIpAddressMismatch (1943) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfManagementIpAddress (931)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the IP address of the shadow network element does not match with the IP address of the discovered NE.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. One of 2 scenario is possible a) the IP address assigned to the shadow NE is incorrect or the IP address configured on the NE itself is incorrect.		

**Table 2-81 ManagementIPSwitchUnsupported**

Alarm	Attributes	Applicable major releases
Name: ManagementIPSwitchUnsupported (1078) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: managementAddressInvalid (812)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to switch the management address of an NE from one IP version to another.		
<b>Remedial action:</b> The additional text field of the alarm will provide guidance as to the reason for the failure - the most probable cause is a configuration error. The configuration error must be corrected. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 2-82 MaxExecutingScripts**

Alarm	Attributes	Applicable major releases
Name: MaxExecutingScripts (3686) Type: serverAlarm (94) Package: script Raised on class: script.AbstractScript	Severity: major Implicitly cleared: false Default probable cause: maxExecutingScripts (1425)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the maximum number of scripts allowed to execute concurrently is exceeded.		
<b>Remedial action:</b> The number of being scripts executed simultaneously has exceeded to maximum allowed. Reduce the number of scripts being executed. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 2-83 MediationAuthenticationFailure (security)**

Alarm	Attributes	Applicable major releases
Name: MediationAuthenticationFailure (75) Type: communicationsAlarm (4) Package: security Raised on class: security.BaseMediationPolicy	Severity: warning Implicitly cleared: false Default probable cause: unsupportedSecLevel (55) Applicable probable causes: <ul style="list-style-type: none"> <li>• unsupportedSecLevel</li> <li>• notInTimeWindow</li> <li>• unknownUserName</li> <li>• unknownEngineID</li> <li>• wrongDigest</li> <li>• decryptionError</li> </ul>	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a mediation authentication failure occurs. This alarm is in some cases automatically cleared when mediation is restored for nodes that use the same mediation policy for read, write and trap access.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Create the necessary mediation policy and associate the policy with the NE type.		

**Table 2-84 MediationAuthenticationFailure (snmp)**

Alarm	Attributes	Applicable major releases
Name: MediationAuthenticationFailure (75) Type: communicationsAlarm (4) Package: snmp Raised on class: snmp.PollerManager	Severity: critical Implicitly cleared: false Default probable cause: noMediationPolicyFound (62)	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE has no associated 5620 SAM mediation policy.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Create the necessary mediation policy and associate the policy with the NE type.		

**Table 2-85 MemoryConsumption**

Alarm	Attributes	Applicable major releases
Name: MemoryConsumption (216) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: tooManyTrapsBuffered (173)	<ul style="list-style-type: none"> <li>• 12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when one of the following occurs. - The number of traps from a particular NE that await processing by the 5620 SAM surpasses the NE red threshold for trap memory management in the 5620 SAM server configuration. - The global number of traps that await processing by the 5620 SAM surpasses the yellow threshold for trap memory management in the 5620 SAM server configuration. Caution: Alcatel-Lucent strongly recommends against modifying NE trap management threshold values; modifying these values can seriously degrade 5620 SAM performance. The alarm clears when one of the following occurs. - The number of traps from the NE that await processing falls below the NE red threshold. - The global number of traps that await processing falls below the system yellow threshold. The NE is resynchronized only if required.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

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Table 2-86 MemoryThresholdCrossingAlarm

Alarm	Attributes	Applicable major releases
Name: MemoryThresholdCrossingAlarm (1936) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: lowMemoryConfigured (927)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the available memory on the 5620 SAM server drops below the warning threshold.		
<b>Remedial action:</b> Informational - Memory threshold settings are not configurable. Please contact Alcatel-Lucent support for assistance.		

Table 2-87 MisconfiguredNode

Alarm	Attributes	Applicable major releases
Name: MisconfiguredNode (382) Type: configurationAlarm (11) Package: netw Raised on class: netw.Topology	Severity: major Implicitly cleared: false Default probable cause: persistOff (281) Applicable probable causes: <ul style="list-style-type: none"> <li>persistOff</li> <li>noSystemAddress</li> <li>noIpv4Address</li> <li>duplicateSystemAddress</li> <li>sameManagementSystemAddress</li> <li>noAdminDomainFound</li> </ul>	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM tries to discover an NE that is not properly configured for management. For example, when persistence is set to Off in the NE BOF, when the NE has no system address or NE share same management and system address.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 2-88 MissedStatsCatchUpCollection

Alarm	Attributes	Applicable major releases
Name: MissedStatsCatchUpCollection (2895) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: snmpDown (306)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with the node to retrieve missed collections intervals. It is cleared after 5620 SAM main server can retrieve missed collections intervals.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM.		

Table 2-89 MissedStatsCollection

Alarm	Attributes	Applicable major releases
Name: MissedStatsCollection (355) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot collect statistics from the node during a statistics poll. It is cleared after 5620 SAM main server can collect statistics from the node during a statistics poll.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the node and the SAM server cannot be established.		

Table 2-90 MissingNESelfConfigPolicy

Alarm	Attributes	Applicable major releases
Name: MissingNESelfConfigPolicy (1944) Type: communicationsAlarm (4) Package: netw Raised on class: netw.TopologyDiscoveryRule	Severity: major Implicitly cleared: true Default probable cause: noNESelfConfigPolicyFound (932)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an identifier of a shadow NE matches the identifier of a node being discovered by a scan of this discovery rule, but there is no NE self-config policy for the node type set in this discovery rule.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Create a NE self-config policy and assign it to the discovery rule associated with the node being discovered.		

**Table 2-91 MissingPreProvisionedNode**

Alarm	Attributes	Applicable major releases
Name: MissingPreProvisionedNode (1945) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: noPreProvisionedNodeFound (933)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when there is no pre-provisioned NE with which to associate the discovered candidate target NE.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Create a pre-provisioned NE for the node being discovered.		

**Table 2-92 NeDatafileSizeAboveThreshold**

Alarm	Attributes	Applicable major releases
Name: NeDatafileSizeAboveThreshold (4975) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: HighNumberOfRecords (526)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a tablespace data file size exceeds the used space threshold. This may indicate that the number of stored NE backups or software images is too high.		
<b>Remedial action:</b> The probable cause of this alarm is the storage of too many NE backup or software image files. Purge old backup or extra software image files from the SAM database to resolve the problem. If the alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-93 NodeAlreadyManagedOverAnotherProtocol**

Alarm	Attributes	Applicable major releases
Name: NodeAlreadyManagedOverAnotherProtocol (1080) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeAlreadyDiscovered (818)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM tries to rediscover a previously discovered NE using a different IP version.		
<b>Remedial action:</b> Informational		



Table 2-94 NodeColdStart

Alarm	Attributes	Applicable major releases
Name: NodeColdStart (172) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeColdStart (135)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM receives a SNMPv2-MIB.coldStart trap from an NE.		
<b>Remedial action:</b> Informational - 5620 SAM has received an indication from an NE that it has restarted. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 2-95 NodeDataMismatch

Alarm	Attributes	Applicable major releases
Name: NodeDataMismatch (3315) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: nodeDataMismatch (1154)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM Data model and node is mismatched.		
<b>Remedial action:</b> Resync the object or update it with the appropriate values.		

Table 2-96 NodeUpgraded

Alarm	Attributes	Applicable major releases
Name: NodeUpgraded (178) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: upgradedNodeVersion (140)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE software version upgrade.		
<b>Remedial action:</b> Informational		

**Table 2-97 NodeVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: NodeVersionMismatch (177) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: DowngradedNodeVersion (139)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the software version on an NE differs from the version recorded for the NE in the 5620 SAM database.		
<b>Remedial action:</b> The NE has been manually downloaded with a new version of SW. Unmanage and re-manage this node to clear the alarm. If software version on the NE is incompatible with the version of 5620 SAM, then the SW should be reverted to a compatible version for SAM (then unmanage and re-manage the node).		

**Table 2-98 OldArchiveLogsDeleted**

Alarm	Attributes	Applicable major releases
Name: OldArchiveLogsDeleted (198) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM deletes the applied archive logs because database disk space is low. In a standalone deployment, the 5620 SAM deletes all archive logs. In a redundant deployment, the 5620 SAM deletes the applied archive logs, and can raise the alarm against the primary or standby database.		
<b>Remedial action:</b> Informational - verify there is adequate disk space for the archive log files on the database servers. If the alarm persists then the frequency of database backups should be increased.		

**Table 2-99 OneWayCommunication**

Alarm	Attributes	Applicable major releases
Name: OneWayCommunication (733) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: major Implicitly cleared: true Default probable cause: routingConfiguration (510)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server, but the auxiliary server can communicate with the main server.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

**Table 2-100 OracleHomeDiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: OracleHomeDiskSpaceBelowThreshold (399) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary or standalone database Oracle disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-101 OutOfBandManagementConnectionDown**

Alarm	Attributes	Applicable major releases
Name: OutOfBandManagementConnectionDown (138) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function over an out-of-band connection.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM.		

**Table 2-102 PacingInProgressWarning**

Alarm	Attributes	Applicable major releases
Name: PacingInProgressWarning (737) Type: configurationAlarm (11) Package: tunnelmgmt Raised on class: tunnelMgmt.TopologyRule	Severity: warning Implicitly cleared: true Default probable cause: noUpdatesDueToPacingInProgress (514)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when tunnel creation or deletion is not performed after a member is added or removed from a rule group because topology rule pacing is in progress. When this occurs, the Reapply and Delete Unused operations must be performed manually when the pacing is complete. The alarm clears after a Reapply operation is performed.		
<b>Remedial action:</b> When this occurs, the Reapply and Delete Unused operations must be performed manually when the pacing is complete. The alarm clears after a Reapply operation is performed.		

**Table 2-103 PatchLevelMismatch**

Alarm	Attributes	Applicable major releases
Name: PatchLevelMismatch (659) Type: softwareAlarm (19) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: patchLevelMismatch (490)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM primary main server software patch level does not match the standby main server software patch level.		
<b>Remedial action:</b> Informational - it is advisable to have both active and standby servers at the same patch level. During a maintenance window apply the appropriate patch to the standby server to bring it inline with the main server.		

**Table 2-104 PollDeadlineMissed**

Alarm	Attributes	Applicable major releases
Name: PollDeadlineMissed (240) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: tooManyItemsToPoll (183)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM server cannot finish browsing a statistics MIB before a polling interval expires.		
<b>Remedial action:</b> The rate at which performance statistics are being collected must be reduced or an AUX sever may be added to the 5620 SAM platform complex if the polling frequency cannot be reduced.		

**Table 2-105 PostDiscoveryScriptExecutionFailed**

Alarm	Attributes	Applicable major releases
Name: PostDiscoveryScriptExecutionFailed (4868) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: major Implicitly cleared: false Default probable cause: scriptExecutionError (1936)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the execution of the post discovery script failed. At this point, the NE is successfully discovered, only the auto configuration of the NE defined in the script failed. Manual intervention is required.		
<b>Remedial action:</b> The post discovery NE auto configuration script execution failed. run the script manually, or configure the NE manually. To clear the Failed post discovery script execution status, click the "Clear" button on the Node Discovery Control configuration form: Administration->Discovery Manager->Managed State tab. Clearing the script execution status will also clear the associated alarm.		

Table 2-106 PostDiscoveryScriptNotExecuted

Alarm	Attributes	Applicable major releases
Name: PostDiscoveryScriptNotExecuted (4869) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the post discovery script is not executed. This is normally due to NE discovery failure. Manual intervention is required.		
<b>Remedial action:</b> The post discovery NE auto configuration script was not executed. Run the script manually, or configure the NE manually. This is normally due to NE discovery failure. Fix the node resync issue associated with the PollerProblem alarm, unmanage and delete the node from the network, then rescan the discovery rule.		

Table 2-107 PrimaryDatabaseDown

Alarm	Attributes	Applicable major releases
Name: PrimaryDatabaseDown (751) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: primaryDatabaseDown (527)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM database is down for at least one poll. The alarm is not persisted in the database or stored in the alarm history; when the database returns to service, the PrimaryDatabaseWasDown alarm is raised.		
<b>Remedial action:</b> Informational - verify connectivity to the primary database server		

Table 2-108 PrimaryDatabaseWasDown

Alarm	Attributes	Applicable major releases
Name: PrimaryDatabaseWasDown (254) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: primaryDatabaseWasDown (193)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary database returns to service after being unavailable for at least one poll.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 2-109 ProxyDown

Alarm	Attributes	Applicable major releases
Name: ProxyDown (1959) Type: communicationsAlarm (4) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when proxy server communication fails.		
<b>Remedial action:</b> The Oracle Proxy runs on the 5620 SAM database workstations. To determine if the Oracle Proxy is running login to the database workstation, open a terminal and run the command <code>ps -eaf   grep oracleproxy</code> . If there is no oracleproxy process running, start the process using <code>/etc/rc3.d/S965620SAMOracleProxyWrapper start</code> .		

Table 2-110 PurgeFilesToFreeDiskSpace

Alarm	Attributes	Applicable major releases
Name: PurgeFilesToFreeDiskSpace (1937) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM server deletes files in order to free disk space.		
<b>Remedial action:</b> Informational - this is a generic error if SAM Server free disk space is below acceptable levels and files must be purged to free the disk space. The additional text field of the alarm will provide more details of the specific problem. Reduce the disk space by purging the files using the commands available in the SAM GUI. It may be necessary to add additional disk space to the system to resolve the problem.		

Table 2-111 RealignmentOfDatabase

Alarm	Attributes	Applicable major releases
Name: RealignmentOfDatabase (613) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: databaseRealignment (455)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM main server realigns itself with the preferred database by performing a database switchover to connect to the primary database.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 2-112 RealignementOfDatabaseFailed

Alarm	Attributes	Applicable major releases
Name: RealignementOfDatabaseFailed (614) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: databaseRealignementFailed (456)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a database switchover to realign the primary main server and primary database fails. The primary main server is not connected to the preferred database.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-113 RedAlarmThresholdReached

Alarm	Attributes	Applicable major releases
Name: RedAlarmThresholdReached (241) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyAlarms (182)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of outstanding 5620 SAM alarms reaches the critical threshold. When this happens, the 5620 SAM discards alarms to keep the number below the threshold.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-114 ReinstantiateStandbyDatabase

Alarm	Attributes	Applicable major releases
Name: ReinstantiateStandbyDatabase (252) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: reinstantiateStandbyDatabase (191)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a standby database reinstantiation occurs.		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 2-115 ReinstantiateStandbyDatabaseFailed**

Alarm	Attributes	Applicable major releases
Name: ReinstantiateStandbyDatabaseFailed (253) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: reinstantiateStandbyDatabaseFailed (192)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a standby database instantiation fails.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-116 RowThresholdConstraintViolated**

Alarm	Attributes	Applicable major releases
Name: RowThresholdConstraintViolated (286) Type: configurationAlarm (11) Package: db Raised on class: db.SizeConstraintPolicy	Severity: major Implicitly cleared: true Default probable cause: partialConstraintEnforcement (218)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of records in a database table exceeds the number specified in a size constraint policy.		
<b>Raising condition:</b> ('Cleanup partial (too many objects)' EQUAL 'true')		
<b>Clearing condition:</b> ('Cleanup partial (too many objects)' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 2-117 RsyncDirectoryMismatch**

Alarm	Attributes	Applicable major releases
Name: RsyncDirectoryMismatch (1938) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: major Implicitly cleared: false Default probable cause: rsyncDirectoryMismatch (928)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the rsync directories on two 5620 SAM servers do not match.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Reconfigure the SAM servers so that the rsync directories match.		



Table 2-118 RsyncFilesToRemoteHost

Alarm	Attributes	Applicable major releases
Name: RsyncFilesToRemoteHost (1939) Type: communicationsAlarm (4) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: true Default probable cause: rsyncFilesIssue (929)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a rsync operation cannot synchronize files with the remote server.		
<b>Remedial action:</b> Possible causes include a HW failure on the standby SAM server or standby AUX server or loss of network connectivity between the primary and standby platforms. Establish that the platform hosting the standby SAM server or standby AUX server has not suffered a HW or network failure.		

Table 2-119 RuleRegistrationError

Alarm	Attributes	Applicable major releases
Name: RuleRegistrationError (364) Type: ConfigurationAlarm (15) Package: rules Raised on class: rules.RuleSet	Severity: warning Implicitly cleared: true Default probable cause: ruleContentsError (261)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when one or more internal 5620 SAM server rule-engine rules fails to compile. The cause is typically a rule syntax error or a system error.		
<b>Raising condition:</b> (('Name' EQUAL '\N/A') OR ('compiled' EQUAL 'false'))		
<b>Clearing condition:</b> (('Name' NOT EQUAL '\N/A') AND ('compiled' EQUAL 'true'))		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

Table 2-120 scheduledTaskCompletionStatus

Alarm	Attributes	Applicable major releases
Name: scheduledTaskCompletionStatus (528) Type: taskCompletionAlarm (45) Package: schedule Raised on class: schedule.ScheduledTask	Severity: info Implicitly cleared: false Default probable cause: scheduledTaskCompleted (400)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the execution of a SAM scheduled task completes.		
<b>Raising condition:</b> ('Status' EQUAL 'Completed')		
<b>Remedial action:</b> Informational		

**Table 2-121 secondExpirationThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: secondExpirationThresholdCrossed (2913) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: major Implicitly cleared: true Default probable cause: ageingLicense (1113)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the specified Second Expiration Threshold for RAN licensing is crossed.		
<b>Remedial action:</b> Ask for a new LKDI license file with a further expiration date.		

**Table 2-122 secondUsageThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: secondUsageThresholdCrossed (2914) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: major Implicitly cleared: true Default probable cause: insufficientPurchasedLicenses (1114)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the specified Second Usage Threshold for RAN licensing is crossed.		
<b>Remedial action:</b> Ask for a new LKDI license file with more tokens.		

**Table 2-123 SnmpAuthenticationFailure**

Alarm	Attributes	Applicable major releases
Name: SnmpAuthenticationFailure (176) Type: authenticationAlarm (14) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: authFailure (46)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE SNMP agent has received an SNMP message that is not properly authenticated. An NE typically does not, by default, send the notification that generates the alarm; the notification must be manually enabled through CLI.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The authentication parameters for SNMP in the mediation policy is incorrect.		

Table 2-124 SnmpDaemonProblem

Alarm	Attributes	Applicable major releases
Name: SnmpDaemonProblem (175) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: snmpDaemonError (138)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when one of the following occurs: - The 5620 SAM receives an unexpected response to an SNMP request, for example, when a managed NE sends the wrong object in response to an SMNP get or get-next request. - The 5620 SAM receives the TIMETRA-SYSTEM-MIB.tmnxSnmpdError trap from a managed NE.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 2-125 SnmpDown

Alarm	Attributes	Applicable major releases
Name: SnmpDown (410) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: snmpDown (306)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP agent is manually shut down on an NE and the NE sends a trap to indicate this.		
<b>Remedial action:</b> Informational		

Table 2-126 SoftwareUpgradeFailed

Alarm	Attributes	Applicable major releases
Name: SoftwareUpgradeFailed (106) Type: configurationAlarm (11) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: major Implicitly cleared: false Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE software upgrade using the 5620 SAM fails.		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 2-127 SSHServerPreserveKeyFailure**

Alarm	Attributes	Applicable major releases
Name: SSHServerPreserveKeyFailure (406) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.FlashMemory	Severity: critical Implicitly cleared: false Default probable cause: preserveKeyFailure (302)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the CPM fails to save the SSH server host key on the persistent drive.		
<b>Remedial action:</b> Information - if the alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-128 SSLKeystoreCertificateExpired**

Alarm	Attributes	Applicable major releases
Name: SSLKeystoreCertificateExpired (5138) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: critical Implicitly cleared: true Default probable cause: SSLKeystoreCertificateHasExpired (2062)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the SSL Keystore certificate for 5620 SAM has expired.		
<b>Remedial action:</b> Please reconfigure 5620 SAM with an unexpired SSL Keystore Certificate. Please refer to the 5620 SAM Installation and Upgrade guide.		

**Table 2-129 SSLKeystoreCertificateExpiring**

Alarm	Attributes	Applicable major releases
Name: SSLKeystoreCertificateExpiring (5139) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: warning Implicitly cleared: true Default probable cause: SSLKeystoreCertificateAboutToExpire (2063)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> This alarm is raised when the 5620 SAM SSL Keystore certificate is expiring soon.		
<b>Remedial action:</b> Please reconfigure 5620 SAM with a newer SSL Keystore Certificate. Please refer to the 5620 SAM Installation and Upgrade guide.		

**Table 2-130 StandbyArchiveLogDiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: StandbyArchiveLogDiskSpaceBelowThreshold (2936) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the standby database archived log disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> Adequate disk space should be allocated on the database servers for archive log files. Performing a manual database backup is required to reduce the size of this directory. If the alarm persists then the frequency of database backups must be increased.		

**Table 2-131 StandbyCPMManagementConnectionDown**

Alarm	Attributes	Applicable major releases
Name: StandbyCPMManagementConnectionDown (140) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: critical Implicitly cleared: true Default probable cause: managementConnectionDown (111)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot reach a managed NE using the ping function.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM		

**Table 2-132 StandbyDataFileDiskSpaceBelowThreshold**

Alarm	Attributes	Applicable major releases
Name: StandbyDataFileDiskSpaceBelowThreshold (539) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the standby data file disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

## 2 — 5620 SAM platform alarms

Table 2-133 StandbyInstallDirectoryDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major releases
Name: StandbyInstallDirectoryDiskSpaceBelowThreshold (615) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the standby database installation disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-134 StandbyOracleHomeDiskSpaceBelowThreshold

Alarm	Attributes	Applicable major releases
Name: StandbyOracleHomeDiskSpaceBelowThreshold (540) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: true Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the standby database Oracle disk space threshold specified in the nms-server.xml file is reached.		
<b>Remedial action:</b> The Oracle Proxy purges the log based on database file policy configuration. Reducing the number of archives to keep and/or size of the log files or increasing the available disk space will resolve the problem. If alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-135 StandbyServerStatus

Alarm	Attributes	Applicable major releases
Name: StandbyServerStatus (208) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the primary 5620 SAM main server cannot communicate with the 5620 SAM standby main server. The alarm clears when communication between the servers is restored.		
<b>Remedial action:</b> Informational		

Table 2-136 StatisticsCollectionThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: StatisticsCollectionThresholdExceeded (524) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: major Implicitly cleared: false Default probable cause: collectionRateGreaterThanConfigured (398)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the accounting statistics collection rate exceeds the retention specifications.		
<b>Remedial action:</b> The rate at which accounting statistics are being collected must be reduced or the amount of disk space allocated to accounting statistics storage must be increased. Note that the latter may require adding additional disk space to the system to resolve the problem.		

Table 2-137 SvcNameUpgradeScriptFailed

Alarm	Attributes	Applicable major releases
Name: SvcNameUpgradeScriptFailed (1082) Type: scriptAlarm (86) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: cliConnectionFailed (820) Applicable probable causes: <ul style="list-style-type: none"> <li>cliConnectionFailed</li> <li>cliLoginFailed</li> <li>executionFailed</li> </ul>	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a generated NE-upgrade CLI script fails. Typical causes include the following: - invalid CLI login information in the mediation policy - an unreachable NE Manual script execution from the NE properties form may provide more information about the failure.		
<b>Remedial action:</b> The alarm is raised in the following scenarios: the NE is unreachable; security credential issues. The remedial actions for the scenarios above are respectively as follows: NE unreachable - investigate and resolve the underlying transport network issue;		

Table 2-138 SwitchOverDatabase

Alarm	Attributes	Applicable major releases
Name: SwitchOverDatabase (203) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: warning Implicitly cleared: false Default probable cause: switchOverDatabase (157)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a database switchover occurs.		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 2-139 SwitchOverDatabaseFailed**

Alarm	Attributes	Applicable major releases
Name: SwitchOverDatabaseFailed (204) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: switchOverDatabaseFailed (158)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a database switchover fails.		
<b>Remedial action:</b> The additional text field of the alarm will provide more details as will the EmsServer.log. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database platforms. If the alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-140 SystemMemoryConsumption**

Alarm	Attributes	Applicable major releases
Name: SystemMemoryConsumption (225) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyTrapsBuffered (173)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the global number of SNMP traps that await processing by the 5620 SAM surpasses the system red threshold for trap memory management specified in the base configuration of the 5620 SAM server. Caution: Alcatel-Lucent strongly recommends against modifying NE trap management threshold values; modifying these values can seriously degrade 5620 SAM performance. The alarm clears when the number of traps that await processing falls below the system red threshold. The 5620 SAM resynchronizes the NEs, if required.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

**Table 2-141 SystemNameChange**

Alarm	Attributes	Applicable major releases
Name: SystemNameChange (228) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: systemNameChange (174)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an NE undergoes a system name change. The alarm information includes the old system name and the new system name.		
<b>Remedial action:</b> Informational - this alarm indicates that the name of the NE has been changed via CLI directly on the NE. The new name will not appear in the SAM GUI. Unmanage and re-manage this node for new name to take effect. Please contact Alcatel-Lucent support for assistance.		



Table 2-142 TableSpaceAboveThreshold

Alarm	Attributes	Applicable major releases
Name: TableSpaceAboveThreshold (454) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: HighStatisticsCollectionRate (349)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the database table space becomes too full, which may indicate that the performance statistics collection rate or the statistics retention time is too high.		
<b>Remedial action:</b> Purging the performance statistics log records, reducing the performance statistics retention time or reducing the frequency of collection should resolve this issue. If this is not possible then it may be necessary to add additional disk capacity to the platform. If the alarm persists please contact Alcatel-Lucent support for assistance.		

Table 2-143 TCAAlarmLimitReached

Alarm	Attributes	Applicable major releases
Name: TCAAlarmLimitReached (3687) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyAlarmsRaisedByTCA (1426)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a TCA execute server reaches the limit of alarms for an interval.		
<b>Remedial action:</b> Informational - the maximum number of threshold crossing alarms that can be raised in the reset interval has been reached. After the TCA alarm reset interval has passed, alarms can be raised again for the next interval until the number of alarms reaches the limit again.		

Table 2-144 TCEAssignmentProblem

Alarm	Attributes	Applicable major releases
Name: TCEAssignmentProblem (5140) Type: processingErrorAlarm (81) Package: server Raised on class: server.TCE	Severity: warning Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> This alarm is raised when a NE cannot be assigned to a TCE during load balancing or manual assignment/unassignment operation.		
<b>Remedial action:</b> Ensure the NE is managed, reachable and that no configuration operation is in progress on that NE and relaunch the operation.		

**Table 2-145 TemplateInconsistency**

Alarm	Attributes	Applicable major releases
Name: TemplateInconsistency (189) Type: ConfigurationAlarm (15) Package: policy Raised on class: policy.PolicyDefinition	Severity: warning Implicitly cleared: true Default probable cause: templatePolicyMismatch (149)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when there is a parameter type or value mismatch between a global policy and a local policy.		
<b>Remedial action:</b> Informational - this alarm indicates that during the a policy comparison audit a mismatch was detected between local policy deployed on a NE vs the global policy which was used to perform the original configuration on NE. Re-distributing the global policy to the outlined NE and/or re-configuring the distribution mode of the local policy to be Sync With Global.		

**Table 2-146 ThresholdCrossingAlarm (equipment)**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a port value crosses a threshold.		
<b>Remedial action:</b> Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

**Table 2-147 ThresholdCrossingAlarm (generic)**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: generic Raised on class: generic.GenericObject	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a monitored object statistics-counter value exceeds a threshold value in the associated statistics policy.		
<b>Remedial action:</b> Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-148 ThresholdCrossingAlarm (netw)

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a value crosses a configured rising or falling threshold. The alarm information includes the current threshold value, the default threshold value, and the threshold name.		
<b>Remedial action:</b> Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

Table 2-149 ThresholdCrossingAlarm (tca)

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarm (14) Type: thresholdCrossed (6) Package: tca Raised on class: tca.SpecificTCAPolicy	Severity: variable Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a monitored object statistics-counter value exceeds a threshold value in the associated statistics policy.		
<b>Remedial action:</b> This alarm is generated when a threshold is crossed on an object or attribute supported by 5620 SAM. The object or attribute must be examined to determine the nature of the issue and the load on the entity must be examined to determine if it is appropriate.		

Table 2-150 ThresholdCrossingAlarmDbI

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmDbI (226) Type: thresholdCrossed (6) Package: generic Raised on class: generic.GenericObject	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a value crosses a configured rising or falling threshold. The alarm information includes the current threshold value, the default threshold value, and the threshold name.		
<b>Remedial action:</b> Informational - A TCA set in the statistics policy associated with the counter has fired. The counter in question should be examined to determine if further action is required.		

**Table 2-151 TimedLicenseExpiryNotice**

Alarm	Attributes	Applicable major releases
Name: TimedLicenseExpiryNotice (263) Type: licensingAlarm (23) Package: security Raised on class: security.AbstractLicense	Severity: variable Implicitly cleared: false Default probable cause: timedLicenseExpiryNotice (196)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM license timer expires. The alarm information includes the license expiry date.		
<b>Remedial action:</b> Informational - The SAM license key is about to expire. Please contact Alcatel-Lucent Sales to request either an extension for the license or a permanent license key.		

**Table 2-152 TimeMismatch**

Alarm	Attributes	Applicable major releases
Name: TimeMismatch (436) Type: configurationAlarm (11) Package: server Raised on class: server.AuxiliaryServer	Severity: major Implicitly cleared: false Default probable cause: timeMismatch (344)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the system time on a 5620 SAM auxiliary server station differs from the system time on a main server station.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The system time on the AUX server must match the system time on the main SAM server.		

**Table 2-153 TodSuiteAssignmentFailure (service)**

Alarm	Attributes	Applicable major releases
Name: TodSuiteAssignmentFailure (312) Type: todSuiteAlarm (35) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: configConflictOrResourceFull (274)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a Time of Day suite cannot be assigned to an aggregation scheduler, or to an L2 or L3 access interface, because of a configuration conflict or a lack of resources. The alarm is not raised against a SAP.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The TOD cannot be assigned to the Aggregation Scheduler due to a configuration conflict or lack of resources.		

Table 2-154 TodSuiteAssignmentFailure (svq)

Alarm	Attributes	Applicable major releases
Name: TodSuiteAssignmentFailure (312) Type: todSuiteAlarm (35) Package: svq Raised on class: svq.AggregationScheduler	Severity: minor Implicitly cleared: false Default probable cause: assignmentFailure (242)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when an object fails to perform the action specified in a Time of Day suite.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The TOD cannot be assigned to the Aggregation Scheduler due to a configuration conflict or lack of resources.		

Table 2-155 TopologyRuleExecutionError

Alarm	Attributes	Applicable major releases
Name: TopologyRuleExecutionError (365) Type: configurationAlarm (11) Package: tunnelmgmt Raised on class: tunnelmgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: ruleErrorOrRuleEngineError (262)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot execute a topology rule or when rule execution generates an error. Rule execution is the process that determines which tunnel elements require creation, modification, or deletion. The alarm typically indicates that the rule is misconfigured.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The topology rule in question must be re-configured correctly.		

Table 2-156 TraceError

Alarm	Attributes	Applicable major releases
Name: TraceError (289) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: traceError (221)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when unusual error log trace messages are generated on an NE. The alarm information includes the title of the logged event and message details.		
<b>Remedial action:</b> Informational - This alarm is generated by the SR platforms to indicate that the node has encountered a reportable problem. The additional text field of the alarm will contain additional information regarding the alarm. If the alarm persists please contact Alcatel-Lucent support for assistance.		

**Table 2-157 TrapMalformed**

Alarm	Attributes	Applicable major releases
Name: TrapMalformed (135) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapSchemaMismatch (108)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the number of varbinds in an incoming SNMP trap is fewer than the number expected.		
<b>Remedial action:</b> Informational - If the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 2-158 TrapMapperQueueFull**

Alarm	Attributes	Applicable major releases
Name: TrapMapperQueueFull (797) Type: queueFull (73) Package: trapmapper Raised on class: trapmapper.TrapMapperManager	Severity: critical Implicitly cleared: false Default probable cause: trapRateTooHigh (564)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that the queue for traps that are to be mapped to alarms is full. Until queue space is available, the 5620 SAM drops traps that are to be mapped to alarms.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

**Table 2-159 TrapRateThresholdExceeded**

Alarm	Attributes	Applicable major releases
Name: TrapRateThresholdExceeded (412) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: trapRateGreaterThanConfigured (307)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the incoming SNMP trap rate is greater than the configured trap rate threshold.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

Table 2-160 TunnelElementCreationError

Alarm	Attributes	Applicable major releases
Name: TunnelElementCreationError (366) Type: configurationAlarm (11) Package: tunnelMgmt Raised on class: tunnelMgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: unableToCreateTunnelElement (263)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the creation of a missing tunnel element fails.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Please resolve the configuration error preventing the creation of the tunnel element.		

Table 2-161 TunnelElementDeleteError

Alarm	Attributes	Applicable major releases
Name: TunnelElementDeleteError (367) Type: configurationAlarm (11) Package: tunnelMgmt Raised on class: tunnelMgmt.TopologyRule	Severity: major Implicitly cleared: false Default probable cause: tunnelElementInUse (264)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the deletion of an obsolete or unused tunnel element fails.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The correction of this error must be done via CLI - please log into the NE and delete the tunnel element.		

Table 2-162 TunnelElementInUseWarning

Alarm	Attributes	Applicable major releases
Name: TunnelElementInUseWarning (368) Type: configurationAlarm (11) Package: tunnelMgmt Raised on class: tunnelMgmt.TopologyRule	Severity: warning Implicitly cleared: false Default probable cause: tunnelElementInUse (264)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM does not attempt to delete an obsolete or unused tunnel element because the element is in use by another object.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The tunnel object to be deleted must be removed from the service or services which are referring to it.		

**Table 2-163 TwoPrimaryDatabase**

Alarm	Attributes	Applicable major releases
Name: TwoPrimaryDatabase (202) Type: configurationAlarm (11) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: twoPrimaryDatabase (156)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the standby database initializes as a primary database because of a database failover. The alarm clears when the original primary database is operational as the new standby database.		
<b>Remedial action:</b> Informational - The root cause of the failure of the primary database server should be investigated. Possible causes include a HW failure on the platform hosting the database function, loss of network connectivity between the primary and standby database.		

**Table 2-164 UnableDeleteArchivedLogs**

Alarm	Attributes	Applicable major releases
Name: UnableDeleteArchivedLogs (200) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: major Implicitly cleared: false Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when database disk space is low and the 5620 SAM is unable to delete the archive logs.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

**Table 2-165 UnableGetArchivedLogDiskInfo**

Alarm	Attributes	Applicable major releases
Name: UnableGetArchivedLogDiskInfo (4976) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: true Default probable cause: archivedLogsIssue (154)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to get the archive log filesystem information.		
<b>Remedial action:</b> Informational - Please check archive logs file system. The 5620 SAM cannot access the file system. If the problem persists then please contact Alcatel-Lucent support for assistance.		



**Table 2-166 UnsupportedNode**

Alarm	Attributes	Applicable major releases
Name: UnsupportedNode (288) Type: configurationAlarm (11) Package: netw Raised on class: netw.Topology	Severity: warning Implicitly cleared: false Default probable cause: unsupportedNode (219)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when, during network discovery, the 5620 SAM detects an NE that uses an unsupported device software version. The alarm information includes the IP address of the NE.		
<b>Remedial action:</b> The SW version of the NE must be upgraded to a version supported by 5620 SAM.		

**Table 2-167 UserSuspended**

Alarm	Attributes	Applicable major releases
Name: UserSuspended (1123) Type: communicationsAlarm (4) Package: security Raised on class: security.User	Severity: warning Implicitly cleared: true Default probable cause: multipleSecurityViolations (336)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when a user account is suspended.		
<b>Remedial action:</b> Informational - the user is suspended due to either a) the user account has been dormant longer than system's age threshold for account expiry, b) the password for the user has expired, or c) the number of authentication failures threshold before lockout has been reached.		

**Table 2-168 WriteFileToDisk**

Alarm	Attributes	Applicable major releases
Name: WriteFileToDisk (1940) Type: serverAlarm (94) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: diskSpaceIssue (153)	<ul style="list-style-type: none"> <li>12.0 R5</li> </ul>
<b>Description:</b> The alarm is raised when SAM cannot write a file to disk.		
<b>Remedial action:</b> Check the additional text of the alarm for more details. Possible causes are lack of disk space or insufficient file permissions. The additional text will provide guidance as to the specifics of the problem.		

**Table 2-169 YellowAlarmThresholdReached**

Alarm	Attributes	Applicable major releases
Name: YellowAlarmThresholdReached (245) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NmsSystem	Severity: critical Implicitly cleared: false Default probable cause: tooManyAlarms (182)	<ul style="list-style-type: none"><li>12.0 R5</li></ul>
<b>Description:</b> The alarm is raised when the number of outstanding 5620 SAM alarms reaches the yellow threshold. When this happens, the 5620 SAM discards non-critical alarms to keep the number below the threshold.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently perform root cause analysis to determine why the NEs in the network are consistently generating high rates of alarms.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 3-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 3-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 3-3 AddPowerControlFailure

Alarm	Attributes	Applicable major releases
Name: AddPowerControlFailure (4422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mtcssurv (1586) Applicable probable causes: <ul style="list-style-type: none"> <li>• Mtcssurv</li> <li>• MTCESURV</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Add power control failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-4 AesFipsFailure**

Alarm	Attributes	Applicable major releases
Name: AesFipsFailure (5437) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: AesFipsFailure (2138)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AES FIPS Failure .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-5 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

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Table 3-6 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 3-7 AlarmReportingControlInhibited

Alarm	Attributes	Applicable major releases
Name: AlarmReportingControlInhibited (4852) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ArcIND (1929)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Alarm reporting control in indefinite inhibition mode is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-8 AlienEgrLOS

Alarm	Attributes	Applicable major releases
Name: AlienEgrLOS (3954) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AlienEgrLOS (1532)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Alien EGR Los is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-9 AmpDisabled

Alarm	Attributes	Applicable major releases
Name: AmpDisabled (4423) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AmpDisabled (956)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Amplifier disabled is detected.		
<b>Remedial action:</b> 1. Determine if there are any temperature alarms on the shelf. If so, check the airflow of the shelf, filler card presence, and ambient air temperature. Resolve any air flow obstructions or air-conditioner issues. 2. Perform a warm reset of the card.3. Perform a cold reset of the card.4. Reset the card.5. Replace the card.Follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

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**Table 3-10 AmpDisabledOpticalPowerOverload**

Alarm	Attributes	Applicable major releases
Name: AmpDisabledOpticalPowerOverload (1970) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OvrlD (955)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Amplifier disabled - optical power overload is detected.		
<b>Remedial action:</b> 1. Determine if there are any temperature alarms on the shelf. If so, check the airflow of the shelf, filler card presence, and ambient air temperature. Resolve any air flow obstructions or air-conditioner issues. 2. Perform a warm reset of the card.3. Perform a cold reset of the card.4. Reset the card.5. Replace the card.Follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

**Table 3-11 AmpGainTooHigh**

Alarm	Attributes	Applicable major releases
Name: AmpGainTooHigh (4424) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HighGain (1587)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Amplifier out of operational range - amplifier gain too high is detected.		
<b>Remedial action:</b> This is a transitory alarm that is raised for a maximum of 30 seconds while the amplifier attempts to limit the output power. If after 30 seconds the output power cannot be limited,a Card Failure - Device alarm is raised.		



**Table 3-12 AmpGainTooLow**

Alarm	Attributes	Applicable major releases
Name: AmpGainTooLow (4425) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LoGain (958)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Amplifier out of operational range - amplifier gain too low is detected.		
<b>Remedial action:</b> Please refer section LOGAIN (Amplifier out of operational range - amplifier gain too low) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-13 AmpOutputPowerUnachievable**

Alarm	Attributes	Applicable major releases
Name: AmpOutputPowerUnachievable (1976) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprUnachieve (961)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OPR unachievable is detected.		
<b>Remedial action:</b> Please refer section OPRUNACHIEVE (Channel Power Unachievable) in 1830 PSS Troubleshooting guide for detailed corrective action.		

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Alarm	Attributes	Applicable major releases
Name: AnnounceLoss (4951) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: AnnounceLoss (2006)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Announce messages on the slave port .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-15 ApelnProgress**

Alarm	Attributes	Applicable major releases
Name: ApelnProgress (5559) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ApelnProgress (2290)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APE in progress.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-16 AprInvalidTopo**

Alarm	Attributes	Applicable major releases
Name: AprInvalidTopo (3332) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRINVALIDTOPO (1165)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Active - Invalid Topology is detected.		
<b>Remedial action:</b> Proceed as follows to clear the APR Active - Invalid Topology alarm.1 Create a new topology.CLI config interface topology.From WEBUI use command - Select Connections > Physical Topology > Create.		

**Table 3-17 AprLine**

Alarm	Attributes	Applicable major releases
Name: AprLine (4426) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRLINE (1588)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Active - Line is detected.		
<b>Remedial action:</b> Determine the ingress amplifier that is connected to the egress amplifier reporting the APR condition.Check whether an APROSC condition is active on the egress amplifier at either end of the span.If so proceed to APROSC to clear the APROSC condition.Confirm the LOS condition on the ingress amplifier.Check in LOS to clear the LOS condition.The APRLINE condition will automatically clear up to 100 seconds after the ingress LOS condition has been cleared.		

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**Table 3-18 AprNode**

Alarm	Attributes	Applicable major releases
Name: AprNode (3333) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRNODE (1166)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Active - Node is detected.		
<b>Remedial action:</b> If no services are provisioned at the input to the LD pack, provision at least one service. If services are provisioned at the input to the LD pack, Check to LOS to clear the LOS condition.		

**Table 3-19 AprOsc**

Alarm	Attributes	Applicable major releases
Name: AprOsc (3334) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APROSC (1167)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Active - OSC disabled is detected.		
<b>Remedial action:</b> Check the OSC provisioning at both ends of the span by looking at the connected ingress LD, and also at the ingress LD at the far end of the span. Set both OSCs to OC3. The condition will automatically clear within 100 seconds.		

Table 3-20 AprSwitch

Alarm	Attributes	Applicable major releases
Name: AprSwitch (3335) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRSWITCH (1168)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Active - Port Switch is detected.		
<b>Remedial action:</b> Some EDFA and Raman amplifier circuit packs that are capable of producing high output power, exceeding class 1M limits, are equipped with port switches on the high-power ports. Before a fiber jumper can be disconnected from the high-power port, a cover must be removed from the faceplate. A switch within the pack detects the cover removal and shuts off the amplifier within the circuit pack. After the cover is reinstalled on the circuit pack, the amplifier will restart and the alarm will clear automatically.		

Table 3-21 AprUnavail

Alarm	Attributes	Applicable major releases
Name: AprUnavail (3336) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRUNAVAIL (1169)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Unavailable - Monitor Card Booting is detected.		
<b>Remedial action:</b> The alarm clears automatically after the reboot has been completed. No corrective action is required.		

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Table 3-22 AprUnavailOsc

Alarm	Attributes	Applicable major releases
Name: AprUnavailOsc (3337) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: APRUNAVAILOSC (1170)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APR Limited - OSC SFP Failure is detected.		
<b>Remedial action:</b> Replace the affected SFP.		

Table 3-23 ApsChannelMismatch

Alarm	Attributes	Applicable major releases
Name: ApsChannelMismatch (4427) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ApsCm (1589)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APS channel mismatch is detected.		
<b>Remedial action:</b> Observe the protection information presented in the APSCM condition. Note the protection group information and the cards involved. Login to the near end NE and determine the NE and card that link directly to the (near-end) card reporting the APSCM alarm. 1. Ensure that the near-end and far-end interfaces are in the same protection group. 2. Check the direction of the protection group. 3. Validate that the protection group has a valid working and protection path. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-24 ApsFarEndProtLineFail

Alarm	Attributes	Applicable major releases
Name: ApsFarEndProtLineFail (4428) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FePrLf (1002)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far end protection line failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-25 ApsLockoutOfProtection

Alarm	Attributes	Applicable major releases
Name: ApsLockoutOfProtection (4429) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LockoutOfPr (1590) Applicable probable causes: <ul style="list-style-type: none"> <li>• LockoutOfPr</li> <li>• LockoutOfPrVTS1</li> <li>• LockoutOfPrVTS2</li> <li>• LockoutOfPrVTS3</li> <li>• LockoutOfPrVTS4</li> <li>• LockoutOfPrVTS5</li> <li>• LockoutOfPrVTS6</li> <li>• LockoutOfPrVTS7</li> <li>• LockoutOfPrVTS8</li> <li>• LockoutOfPrVTS9</li> <li>• LockoutOfPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Lockout of protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-26 ApsModeMismatch**

Alarm	Attributes	Applicable major releases
Name: ApsModeMismatch (4430) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ApsMm (1601)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APS mode mismatch is detected.		
<b>Remedial action:</b> Determine the protection group for the port raising this alarm and also associated shelf/slot/port on the far end NE. Check the network plan to determine the desired directionality for the protection group. If the desired directionality for the protection group is unidirectional, change the protection mode at this port and near end to uni-directional or vice versa. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-27 ApsProtSwitchByteFail**

Alarm	Attributes	Applicable major releases
Name: ApsProtSwitchByteFail (4431) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ApsB (1602)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when APS protection switching byte failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 3-28 ApsSwitchedToWork

Alarm	Attributes	Applicable major releases
Name: ApsSwitchedToWork (1977) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WkSwBk (962)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic switch to working is detected.		
<b>Remedial action:</b> Please refer section WKS WBK (Automatic switch to working) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-29 ApsWorkingForceSwitchedBackToWorking

Alarm	Attributes	Applicable major releases
Name: ApsWorkingForceSwitchedBackToWorking (4432) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FrCdWkSwBk (1603) Applicable probable causes: <ul style="list-style-type: none"> <li>• FrCdWkSwBk</li> <li>• FrCdWkSwBkVTS1</li> <li>• FrCdWkSwBkVTS2</li> <li>• FrCdWkSwBkVTS3</li> <li>• FrCdWkSwBkVTS4</li> <li>• FrCdWkSwBkVTS5</li> <li>• FrCdWkSwBkVTS6</li> <li>• FrCdWkSwBkVTS7</li> <li>• FrCdWkSwBkVTS8</li> <li>• FrCdWkSwBkVTS9</li> <li>• FrCdWkSwBkVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to working is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-30 ApsWorkingForceSwitchedToProtect

Alarm	Attributes	Applicable major releases
Name: ApsWorkingForceSwitchedToProtect (4433) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FrcdWkSwPr (1614) Applicable probable causes: <ul style="list-style-type: none"> <li>• FrcdWkSwPr</li> <li>• FrcdWkSwPrVTS1</li> <li>• FrcdWkSwPrVTS2</li> <li>• FrcdWkSwPrVTS3</li> <li>• FrcdWkSwPrVTS4</li> <li>• FrcdWkSwPrVTS6</li> <li>• FrcdWkSwPrVTS7</li> <li>• FrcdWkSwPrVTS8</li> <li>• FrcdWkSwPrVTS9</li> <li>• FrcdWkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-31 ApsWorkingManualSwitchedBackToWorking

Alarm	Attributes	Applicable major releases
Name: ApsWorkingManualSwitchedBackToWorking (4434) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ManWkSwBk (1624) Applicable probable causes: <ul style="list-style-type: none"> <li>• ManWkSwBk</li> <li>• ManWkSwBkVTS1</li> <li>• ManWkSwBkVTS2</li> <li>• ManWkSwBkVTS3</li> <li>• ManWkSwBkVTS4</li> <li>• ManWkSwBkVTS5</li> <li>• ManWkSwBkVTS6</li> <li>• ManWkSwBkVTS7</li> <li>• ManWkSwBkVTS8</li> <li>• ManWkSwBkVTS9</li> <li>• ManWkSwBkVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to working is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-32 ApsWorkingManualSwitchedToProtect**

Alarm	Attributes	Applicable major releases
Name: ApsWorkingManualSwitchedToProtect (4435) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ManWkSwPr (1635) Applicable probable causes: <ul style="list-style-type: none"> <li>• ManWkSwPr</li> <li>• ManWkSwPrVTS1</li> <li>• ManWkSwPrVTS2</li> <li>• ManWkSwPrVTS3</li> <li>• ManWkSwPrVTS4</li> <li>• ManWkSwPrVTS5</li> <li>• ManWkSwPrVTS6</li> <li>• ManWkSwPrVTS7</li> <li>• ManWkSwPrVTS8</li> <li>• ManWkSwPrVTS9</li> <li>• ManWkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-33 ApsWorkingSwitchedToProtect**

Alarm	Attributes	Applicable major releases
Name: ApsWorkingSwitchedToProtect (4436) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WkSwPr (1646) Applicable probable causes: <ul style="list-style-type: none"> <li>• WkSwPr</li> <li>• WkSwPrVTS1</li> <li>• WkSwPrVTS2</li> <li>• WkSwPrVTS3</li> <li>• WkSwPrVTS4</li> <li>• WkSwPrVTS5</li> <li>• WkSwPrVTS6</li> <li>• WkSwPrVTS7</li> <li>• WkSwPrVTS8</li> <li>• WkSwPrVTS9</li> <li>• WkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-34 AreaTypeMismatch**

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

**Table 3-35 AsonTopo**

Alarm	Attributes	Applicable major releases
Name: AsonTopo (3709) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AsonTopo (1447)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Intra-nodal topology failure-operator action required is detected.		
<b>Remedial action:</b> Steps to clear this alarms: 1. Check fibers on the through path containing the AID where the ASONTPO alarm is raised.2. Note the AID where the ASONTPO is raised and then using NE CLI or WebUI to clear the ASONTPO alarm.3. If no service is present over the AID where the ASONTPO was raised, create an unprotected LSP over the AID where the ASONTPO was raised (must be a unprotected LSP so that control plane will not remove cross connect if another problem is encountered).4. Check for any other alarms (e.g. power adjust required) and follow their corresponding corrective action procedures.5. Wait at least 10 minutes to ensure that no other alarms are raised.6. Remove the unprotected LSP if it was created in a previous step.		

**Table 3-36 AsymmetricalConfig (multichassis)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 3-37 AuAisP**

Alarm	Attributes	Applicable major releases
Name: AuAisP (4437) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AuAisP (1657)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when AU AIS PATH is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Alarm	Attributes	Applicable major releases
Name: AuLopP (4438) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AuLopP (1658)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AU LOP PATH is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-39 AutoLaserOffDueToUpstreamFault**

Alarm	Attributes	Applicable major releases
Name: AutoLaserOffDueToUpstreamFault (4439) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UsAls (1659)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Auto laser off due to upstream condition is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-40 AutoNegMismatch**

Alarm	Attributes	Applicable major releases
Name: AutoNegMismatch (4958) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfANM (2013)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an auto negotiation mismatch is detected. Only applicable to customer ports.		
<b>Remedial action:</b> Please ensure that auto negotiation is configured correctly on the RMD port		

**Table 3-41 AutoSwTimRef**

Alarm	Attributes	Applicable major releases
Name: AutoSwTimRef (3921) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: AutoSwTimRef (1507)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic switch to a timing reference is detected.		
<b>Remedial action:</b> Check the timing reference quality and priority.		

**Table 3-42 AutoSwTimRefT4**

Alarm	Attributes	Applicable major releases
Name: AutoSwTimRefT4 (4881) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: AutoSwTimRef_T4 (1945)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when T4:Automatic switch to a timing reference is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-43 AutoSyncSw**

Alarm	Attributes	Applicable major releases
Name: AutoSyncSw (3714) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: AutoSyncSw (1452)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic timing reference switch is detected.		
<b>Remedial action:</b> AUTOSYNCSW is an event. No clearing procedure is required.		



Table 3-44 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 3-45 B1SignalDegrade

Alarm	Attributes	Applicable major releases
Name: B1SignalDegrade (1980) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: B1Sd (965)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when B1 Signal Degrade is detected.		
<b>Remedial action:</b> Steps to clear this alarms:1. Retrieve power level reading on the local port.2. Clean the fiber.3. If cleaning the fiber does not clear the problem, replace the fiber.4. If the power level is within the operating range, check for pluggable module alarms.5. Replace the pluggable module.		

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**Table 3-46 BackplaneBatteryOff**

Alarm	Attributes	Applicable major releases
Name: BackplaneBatteryOff (1981) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Battery power at backplane off or voltage low is detected.		
<b>Remedial action:</b> Please refer section PWR in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-47 BackupUnavail**

Alarm	Attributes	Applicable major releases
Name: BackupUnavail (5560) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: BackupUnavail (2291)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when backup unavailable.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-48 BackwardDefectIndication**

Alarm	Attributes	Applicable major releases
Name: BackwardDefectIndication (4444) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Bdi (1664) Applicable probable causes: <ul style="list-style-type: none"> <li>• Bdi</li> <li>• BdiOdu</li> <li>• BackwardDefectIndicationEgress</li> <li>• BDIS</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Backward Defect Indication - OTU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-49 BackwardDefectIndicationEgress**

Alarm	Attributes	Applicable major releases
Name: BackwardDefectIndicationEgress (4914) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BackwardDefectIndicationEgress (1666) Applicable probable causes: <ul style="list-style-type: none"> <li>• BackwardDefectIndicationEgress</li> <li>• BDIP</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Backward Defect Indication Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-50 BadClkFreq**

Alarm	Attributes	Applicable major releases
Name: BadClkFreq (5438) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: BadClkFreq (2139)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Clock freq error > 54.6 ppm (>20 ppm causes OTN errors) .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-51 BatteryOff**

Alarm	Attributes	Applicable major releases
Name: BatteryOff (1982) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Battery off or power filter off is detected.		
<b>Remedial action:</b> Please refer section PWR in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-52 BdiOduOut**

Alarm	Attributes	Applicable major releases
Name: BdiOduOut (4445) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BdiOduOut (1667)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Backward Defect Indication - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-53 BITS AIS**

Alarm	Attributes	Applicable major releases
Name: BITS AIS (4440) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BITS AIS (1660)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS is detected is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-54 BITSLoF**

Alarm	Attributes	Applicable major releases
Name: BITSLoF (4441) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BITSLoF (1661)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-55 BITSLos**

Alarm	Attributes	Applicable major releases
Name: BITSLos (4442) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BITSLos (1662)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-56 BITSMAN**

Alarm	Attributes	Applicable major releases
Name: BITSMAN (4443) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BITSMAN (1663)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Logic removal of the BITS port is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-57 BoardEqpt**

Alarm	Attributes	Applicable major releases
Name: BoardEqpt (3338) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: BoardEqpt (1171)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card failure - boot failure is detected.		
<b>Remedial action:</b> The alarm is raised when a card fails to initialize. See relevant section in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-58 BootableConfigBackupFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 3-59 BootableConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		



Table 3-60 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 3-61 BothTimingModulesFailed

Alarm	Attributes	Applicable major releases
Name: BothTimingModulesFailed (1984) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: SyncClkFail (968)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing synchronization units both failed is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-62 Breaker1BatteryFeedDown**

Alarm	Attributes	Applicable major releases
Name: Breaker1BatteryFeedDown (4446) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Filter 1 off or voltage low is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-63 Breaker2BatteryFeedDown**

Alarm	Attributes	Applicable major releases
Name: Breaker2BatteryFeedDown (4447) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Pwr (966)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Filter 2 off or voltage low is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-64 BreakerCardsMismatched**

Alarm	Attributes	Applicable major releases
Name: BreakerCardsMismatched (4448) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Filter Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-65 CardBoot**

Alarm	Attributes	Applicable major releases
Name: CardBoot (3715) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardBoot (1453)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card booting is detected.		
<b>Remedial action:</b> No corrective action is required. This alarm clears automatically once the card is booted.		

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Table 3-66 CardClkOffFreq

Alarm	Attributes	Applicable major releases
Name: CardClkOffFreq (5439) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardClkOffFreq (2140)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card Clock Frequency measured out of spec .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-67 CardDegrade

Alarm	Attributes	Applicable major releases
Name: CardDegrade (1987) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EqptDgr (971)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card degrade - device is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Is the alarmed pack a 100G Coherent OT (112SCA1, 112SNA1, 112SCX10 or 112SNX10)? 2. Check the line port information and Line port PM.If the OPT and OPR parameters are blank go to Step 3.3. Check the firmware profile that is currently running on the pack.If not, go to Step 7.If the firmware profile for the card is lower than the versions shown in the table below, then the firmware should be upgraded see - Selecting a Specific Firmware Version 4. Perform a cold reset of the card.5. Reseat the card.6. Replace the card.7. Perform a warm reset of the card.		

Table 3-68 CardDegradeMonitorFailure

Alarm	Attributes	Applicable major releases
Name: CardDegradeMonitorFailure (4451) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EqptDgrMon (1670)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when HW_HUDSON_FPGA failure is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Card Degrade - Device in 1830 PSS Troubleshooting guide.		

Table 3-69 CardFailure

Alarm	Attributes	Applicable major releases
Name: CardFailure (1988) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Eqpt (1671) Applicable probable causes: <ul style="list-style-type: none"> <li>• Eqpt</li> <li>• ContEqpt</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card failure - device is detected.		
<b>Remedial action:</b> 1. Perform a warm reset of the card.2.Perform a cold reset of the card.3. Reset the card.4. Replace the card.		

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**Table 3-70 CardInitBcm**

Alarm	Attributes	Applicable major releases
Name: CardInitBcm (4452) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardInitBcm (1673)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card Initializing - BCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-71 CardInitializing**

Alarm	Attributes	Applicable major releases
Name: CardInitializing (1989) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardInit (973)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card initializing is detected.		
<b>Remedial action:</b> This condition should clear by itself, or be replaced by another card alarm. No corrective action is required. The condition clears or is replaced by a card alarm. If the alarm does not clear, then follow the procedure - Card Failure. Note: To get correct PM counts after an MSC cold reboot, initialize the PM registers.		

Table 3-72 CardInitNonBcm

Alarm	Attributes	Applicable major releases
Name: CardInitNonBcm (4453) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardInitNonBcm (1674)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card Initializing - NONBCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-73 CardMismatch

Alarm	Attributes	Applicable major releases
Name: CardMismatch (1160) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card mismatch is detected.		
<b>Remedial action:</b> 1. Display the provisioned card type.2. Verify from the network plan what type of card is supposed to be in that slot.3. If the inserted card is the incorrect type, remove the card and insert one that matches the provisioned type for the slot.If the provisioning is incorrect, then reconfigure to make the provisioning match the card.If the provisioning is correct and the card is of a matching type, then there is an issue with the card itself. Continue with Step 4.4. Perform a warm reset of the card.5.Perform a cold reset of the card.6. Reseat the card.7. Replace the card.		

3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms

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**Table 3-74 CardMissing**

Alarm	Attributes	Applicable major releases
Name: CardMissing (1990) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ReplUnitMiss (974)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card missing is detected.		
<b>Remedial action:</b> The process for variable 1830 PSS nodes are different to clear this alarm. Please refer 1830 PSS trouble shooting guide, section - REPLUNTMISS (Card Missing) to follow detailed steps for clearing this alarm.		

**Table 3-75 CardNotAllowed**

Alarm	Attributes	Applicable major releases
Name: CardNotAllowed (1991) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardNotAllowed (975)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card not allowed is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step. 1. Identify that the Wavelength Tracker mode of the shelf is set correctly. 2. If the Wavelength Tracker mode is disabled, remove the affected card.		



Table 3-76 CardProvisioningFailure

Alarm	Attributes	Applicable major releases
Name: CardProvisioningFailure (1992) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: DataFlt (976)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card provisioning failure is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Determine if there is a software mismatch on the NE. If so, resolve the software issue first. The NE should be running with a committed software load. CLI show software upgrade status alm WEBUI Select Administration > Software > Upgrade and view the Status field.2. Perform a warm reset on the card that has the DATAFLT condition raised against it. CLI config card card type shelf slot reset warm WEBUI Select the card, click the Reboot tab, select Warm Reboot >Submit.3. Perform a warm reset on the Equipment Controller. This will cause a Equipment Controller switch in a redundant configuration.4. Perform a cold reset on the alarmed card. CLI config card card type shelf slot reset cold WEBUI Select the card, click the Reboot tab, select Cold Reboot >Submit.5. Delete the services and de-provision the alarmed card. Re-provision the card with the same parameters as was previously done.6. Reseat the alarmed card.7. Replace the alarmed card.		

Table 3-77 CardSanityFailure

Alarm	Attributes	Applicable major releases
Name: CardSanityFailure (1993) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CardSanity (977)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card failure - sanity is detected.		
<b>Remedial action:</b> The alarms clearing procedures are similar to Card Failure - Communication.1. Perform a warm reset of the card.2.Perform a cold reset of the card.3. Reseat the card.4. Replace the card.		

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Table 3-78 CardUnknown

Alarm	Attributes	Applicable major releases
Name: CardUnknown (1994) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Unknown (978)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card unknown is detected.		
<b>Remedial action:</b> 1. Verify if the inserted card is supported for the current running release.2. If the card is not yet supported in this release and the card is a required type for the NE, verify that the correct release is running on the NE. Upgrade the NE to the correct release if it is not to support this card type.3. If the NE is running the correct release but the card is not yet supported in that release, remove the card and replace it with one that is supported by the software running on the NE.4. If the card is supported and the NE is running the correct release, the problem may be with the card itself.5. Perform a warm reset of the card.6. Perform a cold reset of the card.7. Reseat the card.8. Replace the card.		

Table 3-79 CBandLossOfSignal

Alarm	Attributes	Applicable major releases
Name: CBandLossOfSignal (4449) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AllChanMiss (954) Applicable probable causes: <ul style="list-style-type: none"> <li>• AllChanMiss</li> <li>• AllChanMissOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when All Channels Missing is detected.		
<b>Remedial action:</b> Follow the following steps to clear the alarm:1. List the cross-connects.2. Confirm that all cross-connects are administratively up. To bring a cross-connect Admin Up.3. Check for any channel alarms and resolve.4. Verify that the cards and ports upstream of the LDs DCM or Line In port (that is, within the NE for Egress amp, line port faces external to the NE for Ingress amp) are alarm free. Resolve any alarms on cards/ports that are upstream of the LD pack using the information gathered in Step 1.5. Verify that there is a fiber properly plugged into the LDs DCM or Line In port, that the fiber is the correct type, and that the other end of the fiber is connected properly.6. Verify that the input power to the alarmed port is within limits:If the power is too low, verify that the fiber is not damaged or dirty, and clean or replace if necessary.7. If the problem is not resolved, then replace the card.		

Table 3-80 ChannelCollision

Alarm	Attributes	Applicable major releases
Name: ChannelCollision (4454) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchCollision (1675) Applicable probable causes: <ul style="list-style-type: none"> <li>• OchCollision</li> <li>• UsOchCollision</li> <li>• OchCollisionOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel collision is detected.		
<b>Remedial action:</b> This alarm is raised when Wavelength Tracker has detected more than one instance of the same channel at this port. Please follow the below steps to clear this alarm: 1. Perform a path power trace to identify the network path the particular alarmed channel is traversing. 2. Determine if there is a NE where an OCHCOLLISION-OUT condition is present. 3. Resolve the OCHCOLLISION-OUT condition(if present). 4. Perform a warm reset of the card. 5. Perform a cold reset of the card. 6. Reseat the card. 7. Replace the card. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-81 ChannelPowerOutOfRange

Alarm	Attributes	Applicable major releases
Name: ChannelPowerOutOfRange (4455) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Opr (1678) Applicable probable causes: <ul style="list-style-type: none"> <li>• Opr</li> <li>• OprOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel optical power out of range is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Channel power unstable alarm in 1830 PSS Troubleshooting guide.		

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**Table 3-82 ChannelSwitchingFailure**

Alarm	Attributes	Applicable major releases
Name: ChannelSwitchingFailure (4456) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SwMtxMod (1680)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Switching matrix module failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-83 ChannelViolation**

Alarm	Attributes	Applicable major releases
Name: ChannelViolation (5561) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ChannelViolation (2292)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when channel assignment violation.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-84 CKM

Alarm	Attributes	Applicable major releases
Name: CKM (3955) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CKM (1533)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Encryption Current Key Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-85 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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**Table 3-86 ColorViolation**

Alarm	Attributes	Applicable major releases
Name: ColorViolation (5562) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ColorViolation (2293)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when color violation.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-87 CommDeg**

Alarm	Attributes	Applicable major releases
Name: CommDeg (5563) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: CommDeg (2294)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when CPNeighbor degraded.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-88 CommDown

Alarm	Attributes	Applicable major releases
Name: CommDown (5564) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: CommDown (2295)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when CPNeighbor down.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-89 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 3-90 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 3-91 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		



**Table 3-92 ContEqptSplit**

Alarm	Attributes	Applicable major releases
Name: ContEqptSplit (4457) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ContEqptSplit (1681)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC-MTX function running on standby MTC1T9 is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-93 ControlCardRedundancyCompromised**

Alarm	Attributes	Applicable major releases
Name: ControlCardRedundancyCompromised (1998) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: SwEqpt (981)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Control Card redundancy is compromised is detected.		
<b>Remedial action:</b> Please refer section SWEQPT (Equipment Controller redundancy is compromised) in 1830 PSS Troubleshooting guide for detailed corrective action.		

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**Table 3-94 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

**Table 3-95 CPUPERFORMANCE**

Alarm	Attributes	Applicable major releases
Name: CPUPERFORMANCE (4450) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CPUPERFORMANCE (1669)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when CPU Performance Issue Detected is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-96 CSF**

Alarm	Attributes	Applicable major releases
Name: CSF (3956) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CSF (1534)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Client Signal Failure -ODU is detected.		
<b>Remedial action:</b> See Procedure - Clear Client Signal Fail detected on the ODU in 1830 PSS Troubleshooting guide.		

**Table 3-97 CsfGfp**

Alarm	Attributes	Applicable major releases
Name: CsfGfp (4915) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfGfp (1971)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Client Signal Fail detected on the GFP .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-98 CsfGfpOut**

Alarm	Attributes	Applicable major releases
Name: CsfGfpOut (4458) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfGfpOut (1682) Applicable probable causes: <ul style="list-style-type: none"> <li>• CsfGfpOut</li> <li>• GFPCSF</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Client Signal Fail detected on the GFP is detected.		
<b>Remedial action:</b> Refer Procedure: Clear Client Signal Failure (GFP) in 1830 PSS Troubleshooting guide.		

**Table 3-99 CSFODUEGR**

Alarm	Attributes	Applicable major releases
Name: CSFODUEGR (3957) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CSFODUEGR (1535)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Egress Client Signal Failure -ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-100 CsfOduOut**

Alarm	Attributes	Applicable major releases
Name: CsfOduOut (4459) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfOduOut (1683) Applicable probable causes: <ul style="list-style-type: none"> <li>• CsfOduOut</li> <li>• ODUCSF</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Client Signal Fail detected on the ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-101 DatabaseInvalid**

Alarm	Attributes	Applicable major releases
Name: DatabaseInvalid (4853) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbInvalid (1103)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Database invalid is detected.		
<b>Remedial action:</b> Please refer DBINVALID (Database invalid) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-102 DatabaseSyncFailure**

Alarm	Attributes	Applicable major releases
Name: DatabaseSyncFailure (4854) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbMemTrf (1930)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Database synchronization failure is detected.		
<b>Remedial action:</b> Please refer section DBMEMTRF (Database synchronization failure) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-103 DatabaseUnsync**

Alarm	Attributes	Applicable major releases
Name: DatabaseUnsync (4855) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbUnsync (1931)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Active and standby Main EC databases are not synchronized is detected.		
<b>Remedial action:</b> This is a transitional demerit that is raised when database synchronization begins, and clears once the database has been fully synchronized from the active to the inactive Equipment Controller. Typically no user action is required, however if the condition persists, perform a warm reset on the inactive Equipment Controller.		

**Table 3-104 DataErr**

Alarm	Attributes	Applicable major releases
Name: DataErr (4464) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: DataErr (983)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Data Error or Timeout is detected.		
<b>Remedial action:</b> Refer section Procedure: Clear Data error or timeout in 1830 PSS Troubleshooting guide.		

**Table 3-105 DbFailureLocal**

Alarm	Attributes	Applicable major releases
Name: DbFailureLocal (4856) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbFI (1100)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when DB Failure Local - copy creation processing failure is detected.		
<b>Remedial action:</b> 1.Retry the database backup.2.Contact your next level of support.		

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**Table 3-106 DbFailureTransport**

Alarm	Attributes	Applicable major releases
Name: DbFailureTransport (4857) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DbFt (1099)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when DB Failure Transport - file transport failure is detected.		
<b>Remedial action:</b> 1.Retry the database backup.2.Contact your next level of support.		

**Table 3-107 DegOut**

Alarm	Attributes	Applicable major releases
Name: DegOut (4465) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DegOut (1685)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Signal Degrade - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-108 DelayResLoss**

Alarm	Attributes	Applicable major releases
Name: DelayResLoss (4952) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: DelayResLoss (2007)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Delay_Resp messages on the slave port .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-109 DeviceNotReachable**

Alarm	Attributes	Applicable major releases
Name: DeviceNotReachable (4959) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdDNR (2014)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the RMD Device is not reachable.		
<b>Remedial action:</b> Informational - Please check connectivity between the NE and the RMD.		

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**Table 3-110 DiagnosticTerminalLoopbackActive**

Alarm	Attributes	Applicable major releases
Name: DiagnosticTerminalLoopbackActive (2001) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LpbkTerm (984)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Diagnostic Terminal loopback active is detected.		
<b>Remedial action:</b> Remove the loopback from the port.		

**Table 3-111 DiscoveredPhysicalLinkMismatch**

Alarm	Attributes	Applicable major releases
Name: DiscoveredPhysicalLinkMismatch (657) Type: configurationAlarm (11) Package: netw Raised on class: netw.AbstractPhysicalLink	Severity: warning Implicitly cleared: true Default probable cause: endPointUsedByNumerousLinks (488)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when one endpoint of a physical link is used as an endpoint in another physical link.		
<b>Raising condition:</b> ('physicalLinkMismatchConfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('physicalLinkMismatchConfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Physical link endpoint (i.e. ports) can only be configured in one link.		

Table 3-112 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 3-113 DuplicatePhysicalLinks

Alarm	Attributes	Applicable major releases
Name: DuplicatePhysicalLinks (658) Type: configurationAlarm (11) Package: netw Raised on class: netw.AbstractPhysicalLink	Severity: minor Implicitly cleared: true Default probable cause: duplicatePhysicalLinkConfigured (489)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is more than one physical link configured between two endpoints.		
<b>Raising condition:</b> ('duplicateLinkConfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('duplicateLinkConfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The duplicated link must be deleted.		

**Table 3-114 DuplicateTrailName**

Alarm	Attributes	Applicable major releases
Name: DuplicateTrailName (4466) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchTrailDup (985)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Duplicate OCH Trail name is detected.		
<b>Remedial action:</b> This can happen if the loopback IP address of the sourcing NE was recently changed. In the case of a loopback IP address change, the condition resolves itself after one hour. This situation can also happen if one of the following situations occur: if the control network was segmented when the OCH trails were created. If the control network is rejoined then any duplicates are discovered and this alarm is raised. The control network is segmented if the one or more ALPHG CN links are down such that a number of NEs cannot communicate to the remainder of the NEs in the network. If a database with a duplicate Och-trail is restored on a NE, if two Och Trails with the identical name are created at the same time within the network		

**Table 3-115 DuplicateWaveKey**

Alarm	Attributes	Applicable major releases
Name: DuplicateWaveKey (4467) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchKeyDup (986)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Duplicate Wave Key is detected.		
<b>Remedial action:</b> The alarm lists the IP address and shelf/slot/port for the other NE sourcing the same OCHtrail name. 1. Check if there are any existing communication-related alarms and troubleshoot them first. 2. Choose one of the connections to be rekeyed. 3. Log into the NE that sources the connection to be rekeyed. 4. List the cross connects that currently exist on-NE. 5. Search the list for the OCH trail in question and record the A-end, Z-end, band and channel for that connection (you will use this in Step 6). 6. Rekey the associated connection.		

**Table 3-116 DwAlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: DwAlarmIndicationSignal (2004) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DwAis (1686)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-117 DwLossOfFrame**

Alarm	Attributes	Applicable major releases
Name: DwLossOfFrame (4468) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Frame - OTU is detected.		
<b>Remedial action:</b> This alarm indicates that a receiver port on one of the optical cards has detected a Loss of Frame. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

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Table 3-118 DwLossOfMultiFrame

Alarm	Attributes	Applicable major releases
Name: DwLossOfMultiFrame (4469) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DwLom (1687)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Multiframe - OTU is detected.		
<b>Remedial action:</b> This alarm is raised at an OT port when the OT receiver cannot synchronize to a multiframe indicator of an incoming OTUk bit stream. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Query the receive power on the port where the LOM condition is present. 2. Check the immediate upstream OT for any alarm conditions. If there are any, clear the failures. 3.Perform a warm reset of the card. 4.Perform a cold reset of the card. 5.Reseat the OT. 6.Replace the OT.		

Table 3-119 DwSignalDegrade

Alarm	Attributes	Applicable major releases
Name: DwSignalDegrade (4470) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: DegOtu (1688)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Signal Degrade - OTU is detected.		
<b>Remedial action:</b> This alarm indicates that OT port has detected a Signal Degrade Bit Error Rate(SDBER) on the OC-n/STM-n port of the applicable card. Please follow the below steps to clear this alarm: 1. Retrieve power level reading on the local port. 2. Clean the fiber. 3. If cleaning the fiber does not clear the problem, replace the fiber. 4. If the power level is within the operating range, check for pluggable module alarms. 5. Replace the pluggable module.		

**Table 3-120 DwSignalFailure**

Alarm	Attributes	Applicable major releases
Name: DwSignalFailure (2005) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sf (1079)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when BER signal fail is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-121 E1AisEgr**

Alarm	Attributes	Applicable major releases
Name: E1AisEgr (3339) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1AisEgr (1172)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS Line/MS Egress is detected.		
<b>Remedial action:</b> Please see AIS Line/MS in 1830 PSS Troubleshooting guide for detailed corrective action.		

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**Table 3-122 E1AisL**

Alarm	Attributes	Applicable major releases
Name: E1AisL (3340) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1AisL (1173)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS Line/MS is detected.		
<b>Remedial action:</b> Please see AIS Line/MS in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-123 E1Lof**

Alarm	Attributes	Applicable major releases
Name: E1Lof (3341) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1Lof (1174)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> Please refer LOF (Loss of Frame) in 1830 PSS Troubleshooting guide for detailed corrective action.		



**Table 3-124 E1LofEgr**

Alarm	Attributes	Applicable major releases
Name: E1LofEgr (3342) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1LofEgr (1175)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Frame Egress is detected.		
<b>Remedial action:</b> Please refer LOFEGR (Loss of Frame Egress) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-125 E1Los**

Alarm	Attributes	Applicable major releases
Name: E1Los (3343) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1Los (1176)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of signal is detected.		
<b>Remedial action:</b> Please refer LOS (Loss of Signal) in 1830 PSS Troubleshooting guide for detailed corrective action.		

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Table 3-126 E1NoCRC4M

Alarm	Attributes	Applicable major releases
Name: E1NoCRC4M (3344) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1NoCRC4M (1177)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when No CRC4 M is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-127 E1NoCRC4MEgr

Alarm	Attributes	Applicable major releases
Name: E1NoCRC4MEgr (3345) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1NoCRC4MEgr (1178)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when No CRC4 M Egress is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-128 E1Rai**

Alarm	Attributes	Applicable major releases
Name: E1Rai (3346) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1Rai (1179)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when E1-RAI is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-129 E1RaiEgr**

Alarm	Attributes	Applicable major releases
Name: E1RaiEgr (3347) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: E1RaiEgr (1180)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when E1-RAI Egress is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-130 Ebero

Alarm	Attributes	Applicable major releases
Name: Ebero (3348) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EBERO (1181) Applicable probable causes: <ul style="list-style-type: none"> <li>• EBERO</li> <li>• EBER</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical supervision channel excessive BER is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-131 EfmLossOfProtocol

Alarm	Attributes	Applicable major releases
Name: EfmLossOfProtocol (4960) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RMDEfmLosP (2015)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an EFM Loss of Protocol is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

Table 3-132 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

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Table 3-133 EgressSSF

Alarm	Attributes	Applicable major releases
Name: EgressSSF (3958) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EgressSSF (1536)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Egress Server Signal Failure - Client is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-134 EncapsulationFailure

Alarm	Attributes	Applicable major releases
Name: EncapsulationFailure (2007) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FecFail (990)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Encapsulation FEC mode failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-135 EnvInput1Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput1Active (4471) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput1Active (1689)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 1 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-136 EnvInput2Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput2Active (4472) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput2Active (1690)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 2 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-137 EnvInput3Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput3Active (4473) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput3Active (1691)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 3 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-138 EnvInput4Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput4Active (4474) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput4Active (1692)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 4 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-139 EnvInput5Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput5Active (4475) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput5Active (1693)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 5 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-140 EnvInput6Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput6Active (4476) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput6Active (1694)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 6 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		



**Table 3-141 EnvInput7Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput7Active (4477) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput7Active (1695)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 7 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

**Table 3-142 EnvInput8Active**

Alarm	Attributes	Applicable major releases
Name: EnvInput8Active (4478) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EnvInput8Active (1696)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Environmental Input 8 active is detected.		
<b>Remedial action:</b> 1. Define the environmental input defined by using one of the following commands: CLI config alm WEBUI Select Reports > Alarm List >Total.		

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**Table 3-143 EptUploadErr**

Alarm	Attributes	Applicable major releases
Name: EptUploadErr (5565) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: EptUploadErr (2296)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when file upload to EPT failed.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-144 EQPTCRYPTO**

Alarm	Attributes	Applicable major releases
Name: EQPTCRYPTO (4916) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: EQPTCRYPTO (1972)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card failure - crypto .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-145 EqptDgrOch**

Alarm	Attributes	Applicable major releases
Name: EqptDgrOch (3349) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EqptDgrOch (1182)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port degrade - wavelength tracker communication failure is detected.		
<b>Remedial action:</b> This alarm is related to Port Degrade - Wavelength Tracker Communication Failure.1. Perform a warm reset of the card. 2. Perform a cold reset of the card. 3. Resett the card.4. Replace the card.		

**Table 3-146 EqptDgrOchOut**

Alarm	Attributes	Applicable major releases
Name: EqptDgrOchOut (3350) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EqptDgrOchOut (1183)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port degrade - wavelength tracker communication failure is detected.		
<b>Remedial action:</b> This alarm is related to Port Degrade - Wavelength Tracker Communication Failure.1. Perform a warm reset of the card. 2. Perform a cold reset of the card. 3. Reset the card.4. Replace the card.		

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Table 3-147 EqptPort

Alarm	Attributes	Applicable major releases
Name: EqptPort (3351) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EqptPort (1184)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port failure - device is detected.		
<b>Remedial action:</b> 1. Perform a warm reset of the card.2. Perform a cold reset of the card.3. Reset the card.4. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. If no damage is seen, reinsert the pluggable module into its port.5. Remove and replace the pluggable module with another unit of the same type, being careful with the connected fiber jumpers. Refer to Replacing an SFP Module in 1830 PSS Troubleshooting guide.6. Replace the card.		

Table 3-148 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 3-149 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 3-150 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

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**Table 3-151 EquipmentFail**

Alarm	Attributes	Applicable major releases
Name: EquipmentFail (4961) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdEQF (2016)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is an equipment failure on the RMD Device.		
<b>Remedial action:</b> The failed RMD should be replaced.		

**Table 3-152 EquipmentFailure**

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 3-153 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 3-154 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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**Table 3-155 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		



Table 3-156 EsCableMismatch1

Alarm	Attributes	Applicable major releases
Name: EsCableMismatch1 (5566) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: EsCableMismatch1 (2297) Applicable probable causes: <ul style="list-style-type: none"> <li>• EsCableMismatch1</li> <li>• EsCableMismatch2</li> <li>• EsCableMismatch3</li> <li>• EsCableMismatch4</li> <li>• EsCableMismatch5</li> <li>• EsCableMismatch6</li> <li>• EsCableMismatch7</li> <li>• EsCableMismatch8</li> <li>• EsCableMismatch9</li> <li>• EsCableMismatch10</li> <li>• EsCableMismatch11</li> <li>• EsCableMismatch12</li> <li>• EsCableMismatch13</li> <li>• EsCableMismatch14</li> <li>• EsCableMismatch15</li> <li>• EsCableMismatch16</li> <li>• EsCableMismatch17</li> <li>• EsCableMismatch18</li> <li>• EsCableMismatch19</li> <li>• EsCableMismatch20</li> <li>• EsCableMismatch21</li> <li>• EsCableMismatch22</li> <li>• EsCableMismatch23</li> <li>• EsCableMismatch24</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf-1 inter-shelf ES cable mismatch.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-157 ESCLATCHFAIL

Alarm	Attributes	Applicable major releases
Name: ESCLATCHFAIL (3720) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ESCLATCHFAIL (1458)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when Channel attempted escape from latchup routine failed is detected.		
<b>Remedial action:</b> 1 Check the add or mesh path fibering of the channel for misfibering, kinks or disconnections.2 Check for possible pack failures along the mesh or add paths. If there are any alarms raised, troubleshoot them before continuing with this procedure.3 Perform a Path Power Trace to determine where any possible losses may be occurring.4 Verify that the ingress LD is admin up and is functioning properly. Perform a warm reset of the card if necessary.5 Verify that the CWR8-88, CWR8 or WR8-88A is admin up and functioning properly. If not, perform a warm reset of the card.6 If the alarm is still present, manually set the WSS controller attenuation value by configuring a value at the Sig Out port to set the WSS controller to a more useful attenuation value.7 Once the alarm is cleared, trigger an egress adjustment to optimize the channel powers and Perform a cold reset of the card.8 If the alarm is still present, then provision the NE to the original power settings and then run an egress adjustment.		

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Table 3-158 ESM

Alarm	Attributes	Applicable major releases
Name: ESM (4400) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ESM (1577)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Encryption State Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-159 EthCSF

Alarm	Attributes	Applicable major releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

Table 3-160 EthernetLinkDown

Alarm	Attributes	Applicable major releases
Name: EthernetLinkDown (2009) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Net (1697) Applicable probable causes: <ul style="list-style-type: none"> <li>• Net</li> <li>• LinkDown</li> <li>• NetCraft</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Data Link down is detected.		
<b>Remedial action:</b> This may be caused by the following reasons:1. Damaged or dirty fiber connected to the far-end client equipment receiver.2. Damaged or dirty transmitter inside pluggable module on the far end.3. Problem at the client equipment connected to the far-end OT		

Table 3-161 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 3-162 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 3-163 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 3-164 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 3-165 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 3-166 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 3-167 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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**Table 3-168 EthernetPortRemoteFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 3-169 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 3-170 EtrMismatch**

Alarm	Attributes	Applicable major releases
Name: EtrMismatch (4479) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ETRMISMATCH (1699)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Extended temperature range violation:non-ETR card is detected.		
<b>Remedial action:</b> 1 CLI configure general ETR disabled WEBUI Select System on Equipment Tree, and the System Properties window is displayed. De-select (uncheck) the ETR Validation Enabled field.		

**Table 3-171 EtrMismatchMod**

Alarm	Attributes	Applicable major releases
Name: EtrMismatchMod (3353) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ETRMISMATCHMOD (1186)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Extended temperature range violation:non-ETR Pluggable Module is detected.		
<b>Remedial action:</b> No corrective action is required. This is a normal message.Refer ETR-MISMATCHMOD (Extended Temp Range Violation: non-ETR Pluggable Module) in 1830 PSS Troubleshooting guide for details.		

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**Table 3-172 ExcessiveCurrentLoad**

Alarm	Attributes	Applicable major releases
Name: ExcessiveCurrentLoad (2011) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ExcessLoad (994)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Excessive Current Load is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Remove the pack that is reporting the alarm.2. Do one of the following:Remove load to a level below the capacity of the provisioned power entry cards, or Upgrade the power filters to a higher current capacity (if the supply wiring is sufficiently rated for the current).3. Reprovision the shelf capacity attribute (EXPECTED_AMPS) with the new value.		

**Table 3-173 ExcessLoss**

Alarm	Attributes	Applicable major releases
Name: ExcessLoss (3354) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ExcessLoss (1187)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Fiber connection loss too high is detected.		
<b>Remedial action:</b> 1. Clean or replace fiber, if necessary.		



**Table 3-174 FAN32HRQD**

Alarm	Attributes	Applicable major releases
Name: FAN32HRQD (5440) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FAN32HRQD (2141)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Require high speed fan (FANH in PSS32) inserted on shelf .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-175 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

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**Table 3-176 FanSpeedHigh**

Alarm	Attributes	Applicable major releases
Name: FanSpeedHigh (3356) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FanSpeedHigh (1189)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Fan speed is too high is detected.		
<b>Remedial action:</b> 1. Check for fan obstruction, and clear.2. Reset the fan tray.3. If no problems are found, replace the fan tray.		

**Table 3-177 FanSpeedLow**

Alarm	Attributes	Applicable major releases
Name: FanSpeedLow (3357) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FanSpeedLow (1190)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Fan speed is too low is detected.		
<b>Remedial action:</b> 1. Check for airflow blockage or a dirty filter, and clear.2. If no problems are found, replace the fan tray.		

**Table 3-178 FanSpeedManuallySetMaximum**

Alarm	Attributes	Applicable major releases
Name: FanSpeedManuallySetMaximum (4480) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FanSpeedMan (995)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Fan speed manually set to maximum is detected.		
<b>Remedial action:</b> 1. Set the fanspeed parameter to the Normal setting. CLI config fan normal WEBUI Select the Provision/Info button, and view the Details tab. On the Card Properties window, select Normal in the Fan Speed field and click Submit.		

**Table 3-179 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

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**Table 3-180 FarEndLfi**

Alarm	Attributes	Applicable major releases
Name: FarEndLfi (4481) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FeLfi (1700)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Local Fault is detected.		
<b>Remedial action:</b> 1 Locate the Far end client OT.2 Proceed with the procedure for clearing LANLFI (see Procedure : Clear LAN Local Fault Indicator.		

**Table 3-181 FarEndLos**

Alarm	Attributes	Applicable major releases
Name: FarEndLos (2016) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FarEndLOS (1701)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Loss of Signal is detected.		
<b>Remedial action:</b> This procedure details the corrective action for clearing FELANLOS against the OT port.1. Locate far end client OT.2. Perform the steps in the procedure LANLOS see PSS Troubleshooting guide for detailed steps.		

**Table 3-182 FarEndLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: FarEndLossOfSignal (2017) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FeLos (1702)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Loss of Signal is detected.		
<b>Remedial action:</b> This procedure details the corrective action for clearing FELANLOS against the OT port.1. Locate far end client OT.2. Perform the steps in the procedure LANLOS see PSS Troubleshooting guide for detailed steps.		

**Table 3-183 FarEndLossOfSynchronization**

Alarm	Attributes	Applicable major releases
Name: FarEndLossOfSynchronization (4482) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FeLss (1703)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Loss of Synchronization is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-184 FarEndPortMismatch**

Alarm	Attributes	Applicable major releases
Name: FarEndPortMismatch (4483) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FePortMismatch (1704)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Port Mapping Mismatch is detected.		
<b>Remedial action:</b> 1 Identify the two ports in the protection group at the near end, and the two ports at the far end.2 Provision the near end and far end ports with the same signal rate and format.3 Provision the timeslot assignments so that the same ports are used at both ends. For example, the near end port C3 must be connected to far end port C3.		

**Table 3-185 FarEndRfi**

Alarm	Attributes	Applicable major releases
Name: FarEndRfi (4484) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FeRfi (1705)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Far End Remote Fault is detected.		
<b>Remedial action:</b> 1 Locate far end client OT.2 Perform the steps in the procedure Procedure : Clear Remote Fault.3 Proceed with the procedure for clearing LANLFI (see Procedure : Clear LAN Local Fault Indicator).		

Table 3-186 Faulty

Alarm	Attributes	Applicable major releases
Name: Faulty (3960) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: Faulty (1538)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP port faulty is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-187 FDI

Alarm	Attributes	Applicable major releases
Name: FDI (3355) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FDI (1188)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forward Defect Indication - ODU is detected.		
<b>Remedial action:</b> 1 Check the alarms/conditions along the ODU transmission path.2 Identify the Line alarms in the middle ADM nodes or regenerations nodes (OTU2 LOS,OTU2 LOF).3 Follow the procedure for clearing the identified alarm/condition.4 Refresh the list of current alarms, and check whether the Forward Defect Indication alarm detected on the ODU alarm has cleared.		

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Table 3-188 FDICLT

Alarm	Attributes	Applicable major releases
Name: FDICLT (3959) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FDICLT (1537)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forward Defect Indication-Client Failure is detected.		
<b>Remedial action:</b> Proceed to Procedure - Clear Forward Defect Indication - Client Failure in 1830 PSS Troubleshooting guide.		

Table 3-189 FeasibilityViolation

Alarm	Attributes	Applicable major releases
Name: FeasibilityViolation (5567) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: FeasibilityViolation (2321)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when optical feasibility violation.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 3-190 FecEcSignalDegrade

Alarm	Attributes	Applicable major releases
Name: FecEcSignalDegrade (2021) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FecEcSd (1706)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when PreFEC Signal Degrade is detected.		
<b>Remedial action:</b> 1. Perform the procedure, DEG (See Troubleshootingguide for details (p. 2-88). Because it is FEC corrected BER, it does not affect service unless another alarm exists on the port. This procedure details the corrective action for a DEG against the OT port. At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Clean the input fiber at the receiver, and check if the input power is within the specified range.2. If it does not clear the alarm, check if there is any power management or optical channel alarm reported on the link. Perform the corrective action for clearing these alarms on the link. 3. Measure the optical signal noise ratio (OSNR) with at the received amplifier with an optical spectrum analyzer. Check if the OSNR is within the range specified by the EPT.Perform the actions to improve the system OSNR. 4. For 40G and 100G coherent cards only: Retrieve the monitoring values for chromatic dispersion (CD), Differential Group Delay (DGD), and Frequency offset. Check if the values are in the normal range. If not, perform the actions to optimize the optical link.		

Table 3-191 FecUbcSignalDegrade

Alarm	Attributes	Applicable major releases
Name: FecUbcSignalDegrade (3358) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: fecUbcSd (1191)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when PostFEC Signal Degrade is detected.		
<b>Remedial action:</b> This procedure details the corrective action for an FECUBCSD against the OT port. At the end of each step wait to see if the fault clears. If it does not, go to the next step.1. Clean the input fiber at the receiver, and check if the input power is within the specified range.2. Check if there is any power management or optical channel alarm reported on the link. Perform the corrective action for clearing these alarms on the link.3. Measure the optical signal noise ratio (OSNR) with at the received amplifier with an optical spectrum analyzer. Check if the OSNR is within the range specified by the EPT. Perform the actions to improve the system OSNR.		

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**Table 3-192 FipsFailure**

Alarm	Attributes	Applicable major releases
Name: FipsFailure (5444) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FipsFailure (2154)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FIPS Selftest Squelch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-193 FipsSwMismatch**

Alarm	Attributes	Applicable major releases
Name: FipsSwMismatch (4918) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FipsSwMismatch (1974)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FIPS Software version mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-194 FirmwarePendingObsolete

Alarm	Attributes	Applicable major releases
Name: FirmwarePendingObsolete (2022) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FwPendingObsolete (1005)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Provisioned firmware will be obsolete after sw upgrade is detected.		
<b>Remedial action:</b> The FWPENDINGOBSOLETE condition is raised against any pack which would be running an obsolete firmware bundle version after the software release upgrade. Provision a firmware bundle that will be valid after software upgrade or provision the default firmware bundle for the card.2. Contact your next level of support.		

Table 3-195 FirmwareUpgradePending

Alarm	Attributes	Applicable major releases
Name: FirmwareUpgradePending (2023) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FwUpgradePending (1006)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Firmware upgrade pending is detected.		
<b>Remedial action:</b> 1. To initiate a cold reset to download the recommended firmware version for the affected pack, perform a cold reset of the card. CLI config card card_type shelf slot reset cold WEBUI Select the card, click the Reboot tab, select Cold Reboot >Submit. Note: Refer to Caution at the beginning of this procedure.2. Contact your next level of support.		

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Table 3-196 FirmwareVersionNotDefault

Alarm	Attributes	Applicable major releases
Name: FirmwareVersionNotDefault (2024) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FwVersionNotDefault (1007)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Firmware loaded is not the preferred version is detected.		
<b>Remedial action:</b> 1. Check that the default firmware bundle is provisioned for the card.2. If the default firmware bundle is not provisioned in the previous step, then provision the default firmware bundle for the card.3. Perform a cold reset of the card.4. Contact your next level of support.		

Table 3-197 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> ((('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0))))		
<b>Clearing condition:</b> ((('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

**Table 3-198 FpgaFail**

Alarm	Attributes	Applicable major releases
Name: FpgaFail (4485) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGAFAIL (1707)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA download failure is detected.		
<b>Remedial action:</b> 1 Perform a warm reset on the card where the FPGAFAIL condition is raised. For CLI config card card type shelf slot reset warm. For WEBUI Select the card, click the Reboottab, select Warm Reboot >Submit. 2 Contact your next level of support.		

**Table 3-199 FPGAFAILNSA**

Alarm	Attributes	Applicable major releases
Name: FPGAFAILNSA (5441) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGAFAILNSA (2142)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA download failure - NSA .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-200 Fpgalnit**

Alarm	Attributes	Applicable major releases
Name: Fpgalnit (4486) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGAINIT1 (1975) Applicable probable causes: <ul style="list-style-type: none"> <li>• FPGAINIT1</li> <li>• FPGAINIT2</li> <li>• FPGAINIT3</li> <li>• FPGAINIT4</li> <li>• FPGAINIT5</li> <li>• FPGAINIT6</li> <li>• FPGAINIT7</li> <li>• FPGAINIT8</li> <li>• FPGAINIT9</li> <li>• FPGAINIT10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA initializing is detected.		
<b>Remedial action:</b> 1. No steps are required to clear the FPGAINIT alarm. Some FPGA programming steps can take as long as 45 minutes. Monitor progress using one of the following commands: CLI show firmware upgrade WEBUI Select Reports > Firmware.		

**Table 3-201 FPGAINITNSA1**

Alarm	Attributes	Applicable major releases
Name: FPGAINITNSA1 (5442) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGAINITNSA1 (2143) Applicable probable causes: <ul style="list-style-type: none"> <li>• FPGAINITNSA1</li> <li>• FPGAINITNSA2</li> <li>• FPGAINITNSA3</li> <li>• FPGAINITNSA4</li> <li>• FPGAINITNSA5</li> <li>• FPGAINITNSA6</li> <li>• FPGAINITNSA7</li> <li>• FPGAINITNSA8</li> <li>• FPGAINITNSA9</li> <li>• FPGAINITNSA10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA 1 initializing - NSA .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-202 FPGAPRELOAD**

Alarm	Attributes	Applicable major releases
Name: FPGAPRELOAD (4917) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGAPRELOAD (1973)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Preloading portgroup FPGAs .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-203 FpgaTimeout**

Alarm	Attributes	Applicable major releases
Name: FpgaTimeout (4487) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGATIMEOUT (1709)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA timeout is detected.		
<b>Remedial action:</b> 1. Perform a warm reset on the card where the FPGATIMEOUT condition is raised.		

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Table 3-204 FPGATIMEOUTNSA

Alarm	Attributes	Applicable major releases
Name: FPGATIMEOUTNSA (5443) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FPGATIMEOUTNSA (2153)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when FPGA timeout - NSA .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-205 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		



**Table 3-206 FrcdSwTimRef**

Alarm	Attributes	Applicable major releases
Name: FrcdSwTimRef (3922) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: FrcdSwTimRef (1508)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to a timing reference is detected.		
<b>Remedial action:</b> Clear force switch.		

**Table 3-207 FrcdSwTimRefT4**

Alarm	Attributes	Applicable major releases
Name: FrcdSwTimRefT4 (4882) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: FrcdSwTimRef_T4 (1946)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when T4:Forced switch to a timing reference is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-208 FrngSync

Alarm	Attributes	Applicable major releases
Name: FrngSync (3722) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FrngSync (1460)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> This alarm is raised when the system clock is in free-running mode.		
<b>Remedial action:</b> The alarm is raised when system clock in free running mode. Proceed to Procedure -Clear System clock is in free running synchronization mode alarm in 1830 PSS Troubleshooting guide.		

Table 3-209 FwMismatch

Alarm	Attributes	Applicable major releases
Name: FwMismatch (5445) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FwMismatch (2155)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Firmware version mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-210 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 3-211 GfpLof

Alarm	Attributes	Applicable major releases
Name: GfpLof (5176) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpLof (2092)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of GFP alignment occurs.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-212 GfpLofOut**

Alarm	Attributes	Applicable major releases
Name: GfpLofOut (4488) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpLofOut (1710) Applicable probable causes: <ul style="list-style-type: none"> <li>• GfpLofOut</li> <li>• GFPLof</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Loss of GFP alignment is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Loss of GFP alignment in 1830 PSS Troubleshooting guide.		

**Table 3-213 GfpUpm**

Alarm	Attributes	Applicable major releases
Name: GfpUpm (4919) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpUpm (1985)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GFP User Payload Mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-214 HighBer**

Alarm	Attributes	Applicable major releases
Name: HighBer (4489) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HiBer (1711)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when High BER is detected.		
<b>Remedial action:</b> 1 Retrieve power level reading on the local OT port.2 Clean the fiber.3 If cleaning the fiber does not clear the problem, replace the fiber.4 If the power level is within the operating range, check for pluggable module alarms.5 Replace the pluggable module		

**Table 3-215 HldOvrSync**

Alarm	Attributes	Applicable major releases
Name: HldOvrSync (3917) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: HldOvrSync (1502)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the system clock is in hold-over mode.		
<b>Remedial action:</b> Check all references.		

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**Table 3-216 HpPlmP**

Alarm	Attributes	Applicable major releases
Name: HpPlmP (4490) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HpPlmP (1712)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when HP PLM PATH is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-217 HpRdiP**

Alarm	Attributes	Applicable major releases
Name: HpRdiP (3723) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HpRdiP (1461)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when HP RDI PATH is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-218 HpUneqP

Alarm	Attributes	Applicable major releases
Name: HpUneqP (4491) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: HpUneqP (1713)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when HP UNEQ PATH is detected.		
<b>Remedial action:</b> Proceed as follows to clear an HOPath Unequipped alarm:1 Define the cross-connections consistently at both ends of the path.		

Table 3-219 HwRevisionNotSupported

Alarm	Attributes	Applicable major releases
Name: HwRevisionNotSupported (2032) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: HwRevisionNotSupported (1714)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Hardware not supported for current configuration is detected.		
<b>Remedial action:</b> 1. Replace the affected Equipment Controller. Refer to 1830 PSS Troubleshooting guide - Replacing an Equipment Controller in a Redundant Shelf for the complete trouble-clearing procedure.		

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**Table 3-220 ImageNotReady**

Alarm	Attributes	Applicable major releases
Name: ImageNotReady (5446) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ImageNotReady (2156)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card Image Not Installed .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-221 IncomingSupvyLof**

Alarm	Attributes	Applicable major releases
Name: IncomingSupvyLof (4493) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lof0 (1716)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Incoming SUPVY LOF is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Incoming SUPVY LOF in 1830 PSS Troubleshooting guide.		



Table 3-222 IncomingSupvyLos

Alarm	Attributes	Applicable major releases
Name: IncomingSupvyLos (4494) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosO (1717)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Incoming SUPVY LOS is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Incoming SUPVY LOS in 1830 PSS Troubleshooting guide.		

Table 3-223 IncompatFan

Alarm	Attributes	Applicable major releases
Name: IncompatFan (3359) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: IncompatFan (1192)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Incompatible Fan is detected.		
<b>Remedial action:</b> No corrective action is required. This is a normal message. For replacing Fan refer to 1830 PSS Troubleshooting guide.		

Table 3-224 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('mcLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mcLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

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**Table 3-225 IncompleteConfiguration**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 3-226 IncorrectPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

**Table 3-227 InMaintenance**

Alarm	Attributes	Applicable major releases
Name: InMaintenance (4492) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Man (1715)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manually caused abnormal condition - card in maintenance is detected.		
<b>Remedial action:</b> Proceed as follows to clear the Manually caused abnormal condition - card in maintenance alarm.1 Manually place the card in service using the following command:CLI config slot shelf slot state up.		

**Table 3-228 InMigration**

Alarm	Attributes	Applicable major releases
Name: InMigration (5568) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: InMigration (2322)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GMRE in migration.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-229 InterCardCommsFailure

Alarm	Attributes	Applicable major releases
Name: InterCardCommsFailure (2036) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ContCom (1020)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card failure - communication is detected.		
<b>Remedial action:</b> Please refer CONTCOM (Card Failure - Communication) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-230 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

**Table 3-231 InterShelfLossofComms**

Alarm	Attributes	Applicable major releases
Name: InterShelfLossofComms (4495) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: ContCom (1020)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Inter-shelf loss of communication is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Inter-shelf loss of communication alarm in 1830 PSS Troubleshooting guide.		

**Table 3-232 Intrusion**

Alarm	Attributes	Applicable major releases
Name: Intrusion (3601) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: Intrusion (1390)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when excessive invalid login attempts by users is detected.		
<b>Remedial action:</b> To clear the INTRUSION alarm, complete either Step 1 OR Step 2.1. Disable the user in the User Security Database.2. Delete the user in the User Security Database.		

Table 3-233 IntTempHigh

Alarm	Attributes	Applicable major releases
Name: IntTempHigh (3360) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: IntTempHigh (1095)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card over temperature is detected.		
<b>Remedial action:</b> Perform the steps in the procedure - High Temperature Troubleshooting.1. Verify that the fan tray is installed and that no fan tray alarms are present. Correct any faults found.2. Visually inspect the shelf to confirm that filler cards are installed in all empty slots in the shelf. This helps ensure proper airflow.3. Check for a dirty air filter. Clean or replace it as necessary. Contact your service representative for replacement filters.4. Use a thermometer to measure the ambient air temperature at the intake of the fans. Verify that the ambient temperature is not abnormally high. If the ambient temperature is too high, the NE may require additional cooling to bring it back to an acceptable operating temperature.5. Verify if other cards in the shelf report temperatures near their upper limit (within 10 C).6. Replace the card and follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

Table 3-234 IntTempLow

Alarm	Attributes	Applicable major releases
Name: IntTempLow (3361) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: IntTempLow (1096)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card under temperature is detected.		
<b>Remedial action:</b> Ensure that no environmental issues are present where the network element resides. Resolve any existing issues. Verify if other cards in the shelf report temperatures near their lower limit (within 10 C). Replace the alarmed card.		

Table 3-235 IntTempOpt

Alarm	Attributes	Applicable major releases
Name: IntTempOpt (3362) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: IntTempOpt (1047)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optics over temperature is detected.		
<b>Remedial action:</b> Steps for High Temperature Troubleshooting.1. Verify that the fan tray is installed and that no fan tray alarms are present. Correct any faults found.2. Visually inspect the shelf to confirm that filler cards are installed in all empty slots in the shelf. This helps ensure proper airflow.3. Check for a dirty air filter. Clean or replace it as necessary. Contact your service representative for replacement filters.4. Use a thermometer to measure the ambient air temperature at the intake of the fans. Verify that the ambient temperature is not abnormally high. If the ambient temperature is too high, the NE may require additional cooling to bring it back to an acceptable operating temperature.5. Verify if other cards in the shelf report temperatures near their upper limit (within 10 C).6. Replace the card and follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

Table 3-236 InvalidEgress

Alarm	Attributes	Applicable major releases
Name: InvalidEgress (3363) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: InvalidEgress (1193)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid or no egress port defined is detected.		
<b>Remedial action:</b> Check the topology between ingress and egress LD (if there is egress LD). Check the external topology for the ingress LD line port. If the topology is missing, add the topology and re-run the egress adjustment. Ensure that Opposite Direction Port field is provisioned correctly for the egress LD Lineout port.		

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**Table 3-237 InvalidThreshold**

Alarm	Attributes	Applicable major releases
Name: InvalidThreshold (2038) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: InvalidThreshold (1022)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid Threshold is detected.		
<b>Remedial action:</b> 1. Determine whether the threshold calculation is in automatic or manual mode.2. Is manual switch calculation mode is in effect? (The default is auto.)3. Verify that no LOS alarms are present on the A or B input ports that would inhibit the switch calculation.4. Set the threshold to a value greater than -30 dBm based on engineering rules for the incoming channel power levels.5. STOP,You have completed this procedure.		

**Table 3-238 InvalidThresholdOms**

Alarm	Attributes	Applicable major releases
Name: InvalidThresholdOms (3364) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: InvalidThresholdOms (1194)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid Threshold - OMS is detected.		
<b>Remedial action:</b> 1. Determine whether the threshold calculation is in automatic or manual mode.2. Is manual switch calculation mode is in effect? (The default is auto.)3. Verify that no LOS alarms are present on the A or B input ports that would inhibit the switch calculation.4. Set the threshold to a value greater than -30 dBm based on engineering rules for the incoming channel power levels.5. STOP,You have completed this procedure. Please refer 1830 PSS Troubleshooting guide for further details.		



Table 3-239 InvalidThresholdOts

Alarm	Attributes	Applicable major releases
Name: InvalidThresholdOts (3365) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: InvalidThresholdOts (1195)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid Threshold - OTS is detected.		
<b>Remedial action:</b> 1. Determine whether the threshold calculation is in automatic or manual mode.2. Is manual switch calculation mode is in effect? (The default is auto.)3. Verify that no LOS alarms are present on the A or B input ports that would inhibit the switch calculation.4. Set the threshold to a value greater than -30 dBm based on engineering rules for the incoming channel power levels.5. STOP, You have completed this procedure. Please refer 1830 PSS Troubleshooting guide for further details.		

Table 3-240 InventoryError

Alarm	Attributes	Applicable major releases
Name: InventoryError (3724) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: InventoryError (1718) Applicable probable causes: <ul style="list-style-type: none"> <li>• InventoryError</li> <li>• CFCAPACITYWARNING</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card Inventory Error is detected.		
<b>Remedial action:</b> To clear the INVENTOR YERROR alarm, remove and replace the affected device.		

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Table 3-241 KeyDomainErr

Alarm	Attributes	Applicable major releases
Name: KeyDomainErr (5177) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: KeyDomainErr (2093)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Wavelength tracker domain provisioning error occurs.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-242 LagDeg

Alarm	Attributes	Applicable major releases
Name: LagDeg (3961) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LagDeg (1539)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Link aggregation group signal degrade is detected.		
<b>Remedial action:</b> Please refer section - Signal Degrade 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-243 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		

(1 of 2)

Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

(2 of 2)

Table 3-244 LagLos

Alarm	Attributes	Applicable major releases
Name: LagLos (3962) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LagLos (1540)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Link aggregation group Loss of Signal is detected.		
<b>Remedial action:</b> Proceed as follows to clear the Link Aggregation Group Loss of Signal alarm. 1.Ensure that the administrative state of the Link Aggregation Group is Admin Up. 2.Ensure that the Max Port Size of the Link Aggregation Group is larger than 0. 3.Ensure that the number of attached ports in the Link Aggregation Group is larger than 0. 4.Check the alarms/conditions of the attached port. 5.Follow the procedure for clearing the identified alarm/condition of the attached port. 6.Refresh the list of current alarms , and check whether Link Aggregation Group Loss of Signal has cleared.		

Table 3-245 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

(1 of 2)

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

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**Table 3-246 LanLol**

Alarm	Attributes	Applicable major releases
Name: LanLol (4499) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanLol (1722) Applicable probable causes: <ul style="list-style-type: none"> <li>LanLol</li> <li>LOL</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Link is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-247 LanSf**

Alarm	Attributes	Applicable major releases
Name: LanSf (3725) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanSf (1463)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when LAN Signal Failure is detected.		
<b>Remedial action:</b> Signal Failure alarm. Please refer 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-248 LaserBackFacetOptPwrTca

Alarm	Attributes	Applicable major releases
Name: LaserBackFacetOptPwrTca (3366) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserBackFacetOptPwrTca (1196)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Laser back-facet optical power cross threshold is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step. 1. If another card failure is reported on the card, follow the procedure for that specific alarm. 2. If the port is pluggable module, remove and reinsert the same module. If the alarm does not clear, replace the module.		

Table 3-249 LaserCoolingCurTca

Alarm	Attributes	Applicable major releases
Name: LaserCoolingCurTca (3367) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserCoolingCurTca (1197)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Laser cooling current cross threshold is detected.		
<b>Remedial action:</b> This alarm corresponds to Laser Cooling Current Cross Threshold. 1. If another card failure is reported on the card, follow the procedure for that specific alarm. 2. If the port is pluggable module, remove and reinsert the same module. If the alarm does not clear, replace the module.		

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**Table 3-250 LaserEndOfLife**

Alarm	Attributes	Applicable major releases
Name: LaserEndOfLife (2039) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserEOL (1023)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Laser end of life is detected.		
<b>Remedial action:</b> The OT port has detected laser end of life.If another card failure is reported on the card, follow the procedure for that specific alarm.If the port is pluggable module, remove and reinsert the same module. If the alarm does not clear, replace the module.		

**Table 3-251 LckOut**

Alarm	Attributes	Applicable major releases
Name: LckOut (4500) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LckOut (1723) Applicable probable causes: <ul style="list-style-type: none"> <li>• LckOut</li> <li>• LCK</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Locked - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-252 LfiEgress

Alarm	Attributes	Applicable major releases
Name: LfiEgress (4501) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LfiEgr (1064)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Client Local Fault is detected.		
<b>Remedial action:</b> 1 Locate far end OT.2 Perform the steps in the procedure Procedure : Clear LAN Local Fault Indicator on the far end port in 1830 PSS Troubleshooting guide.		

Table 3-253 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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**Table 3-254 LineFacilityLoopbackActive**

Alarm	Attributes	Applicable major releases
Name: LineFacilityLoopbackActive (4502) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LpbkLine (1024)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Line Facility loopback active is detected.		
<b>Remedial action:</b> 1 Remove the loopback from the port. For CLI config interface <shelf slot port> loopback line disabled		

**Table 3-255 LinkDiversity**

Alarm	Attributes	Applicable major releases
Name: LinkDiversity (5569) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LinkDiversity (2323)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when link diversity violation.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-256 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 3-257 Loam**

Alarm	Attributes	Applicable major releases
Name: Loam (3368) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOAM (1198)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Alignment Marker Lock is detected.		
<b>Remedial action:</b> The LOAM condition is raised when the system cannot detect the PCS lane marker, or the marker has been displaced. Replace the CFP.		

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**Table 3-258 LocalFault**

Alarm	Attributes	Applicable major releases
Name: LocalFault (2041) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanLfi (1025)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Local Fault is detected.		
<b>Remedial action:</b> 1. Locate the Far end client OT.2. Proceed with the procedure for clearing LANLFI.		

**Table 3-259 LocalPacketLost**

Alarm	Attributes	Applicable major releases
Name: LocalPacketLost (5592) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.TsopChannel	Severity: variable Implicitly cleared: true Default probable cause: RmdTsopLPL (2346)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when no packets are received for one second. Cleared when two contiguous packets are received.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-260 LockedIndication**

Alarm	Attributes	Applicable major releases
Name: LockedIndication (4503) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lck (1724) Applicable probable causes: <ul style="list-style-type: none"> <li>• Lck</li> <li>• LockedIndicationEgress</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Locked Indication is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-261 LockedIndicationEgress**

Alarm	Attributes	Applicable major releases
Name: LockedIndicationEgress (4920) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LockedIndicationEgress (1725)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Locked Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-262 LockoutOfTimRef**

Alarm	Attributes	Applicable major releases
Name: LockoutOfTimRef (3923) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: LockoutOfTimRef (1509)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Lock out of a timing reference is detected.		
<b>Remedial action:</b> Check the timing reference quality and priority.		

**Table 3-263 LockoutOfTimRefT4**

Alarm	Attributes	Applicable major releases
Name: LockoutOfTimRefT4 (4883) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: LockoutOfTimRef_T4 (1947)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when T4:Lock out of a timing reference is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-264 LOFLOM**

Alarm	Attributes	Applicable major releases
Name: LOFLOM (4496) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOFLOM (1719)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU LOFLOM is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Loss of Frame and Loss of Multiframe in 1830 PSS Troubleshooting guide.		

**Table 3-265 LOFLOMOut**

Alarm	Attributes	Applicable major releases
Name: LOFLOMOut (4497) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOFLOMOut (1720)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU LOFLOM OUT is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Loss of Frame and Loss of Multiframe in 1830 PSS Troubleshooting guide.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-266 Lol**

Alarm	Attributes	Applicable major releases
Name: Lol (4504) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lol (1726)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Lane Alignment is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-267 LosDcm**

Alarm	Attributes	Applicable major releases
Name: LosDcm (4505) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosDcm (982)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when From DCM Input LOS is detected.		
<b>Remedial action:</b> Refer Procedure : Clear From DCM Input LOS in 1830 PSS Troubleshooting guide.		

**Table 3-268 LOSEDFA**

Alarm	Attributes	Applicable major releases
Name: LOSEDFA (4498) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOSEDFA (1721)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when EDFA Input LOS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-269 LOSOAMP**

Alarm	Attributes	Applicable major releases
Name: LOSOAMP (5447) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOSOAMP (2157)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SUPVY Amplifier Input LOS .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-270 LosOcm**

Alarm	Attributes	Applicable major releases
Name: LosOcm (3370) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosOcm (1200)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when WTOCM Input LOS is detected.		
<b>Remedial action:</b> 1. Verify the fiber is connected between the WTOCM input port and its associated LD MON port.2. Verify there is no existing LOS condition on the associated LD card. 3. Retrieve power level reading on the local port, verify the power in within the normal operating range.4. Clean the fiber.5. Replace the fiber.6. Replace the pluggable module.		

**Table 3-271 LosOms**

Alarm	Attributes	Applicable major releases
Name: LosOms (3371) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosOms (1201)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected.		
<b>Remedial action:</b> Please refer LOS-P (Incoming Payload LOS) in 1830 PSS Troubleshooting guide for detailed corrective action.		



Table 3-272 LosOOut

Alarm	Attributes	Applicable major releases
Name: LosOOut (3369) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOSOOUT (1199)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing SUPVY LOS is detected.		
<b>Remedial action:</b> Please refer LOS-OUT (Outgoing Loss of Signal) and (Outgoing Channel Absent) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-273 LosOts

Alarm	Attributes	Applicable major releases
Name: LosOts (3372) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosOts (1202) Applicable probable causes: <ul style="list-style-type: none"> <li>• LosOts</li> <li>• LOSOTS</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OPS Input Loss of Signal is detected.		
<b>Remedial action:</b> Please refer LOS-P (Incoming Payload LOS) in 1830 PSS Troubleshooting guide for detailed corrective action.		

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Table 3-274 LosP

Alarm	Attributes	Applicable major releases
Name: LosP (4921) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosP (1735)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal - OTU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-275 LossOfClock (equipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of clock is detected.		
<b>Remedial action:</b> This demerit is raised when a shelf controller determines that there is no system timing clock from the master shelf. This demerit will cause a controller activity switch if the inactive controller does not have this demerit raised, but the active does.		

Table 3-276 LossOfFrame (optical)

Alarm	Attributes	Applicable major releases
Name: LossOfFrame (630) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073) Applicable probable causes: <ul style="list-style-type: none"> <li>• Lof</li> <li>• LOF</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Node Maintenance manual for remedial action information.		

Table 3-277 LossOfFrameDelineation

Alarm	Attributes	Applicable major releases
Name: LossOfFrameDelineation (4506) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lfd (1727)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GFP Loss of Frame Delineation is detected.		
<b>Remedial action:</b> 1 Inspect the OCh trail which is used as a server transport layer for GFP stream.2 If any alarms are detected on OCh trail, locate the farthest upstream point and follow the procedure for clearing this alarm.3 Locate the far end OT that sources the GFP stream.4 Perform a soft reset of both local and far-end OT.5 If Step 4 does not clear the problem replace far-end OT.6 If Step 5 does not clear the problem replace the local OT.		

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**Table 3-278 LossOfFrameEgress**

Alarm	Attributes	Applicable major releases
Name: LossOfFrameEgress (4507) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LofEgr (1728)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Frame Egress is detected.		
<b>Remedial action:</b> 1 Locate far end OT.2 Perform the steps in the procedureProcedure : Clear Loss Of Frame (photonic applications) on the far end port.		

**Table 3-279 LossOfLock**

Alarm	Attributes	Applicable major releases
Name: LossOfLock (4886) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: variable Implicitly cleared: true Default probable cause: LossOfLock (1949)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of 1588 synchronization is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-280 LossOfOpticalSignal**

Alarm	Attributes	Applicable major releases
Name: LossOfOpticalSignal (5593) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfLOS (2020)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ingress TDM defects LOS, for example fiber is missing or broken, or the connector is dirty		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-281 LossOfPrimaryLineTimingClock**

Alarm	Attributes	Applicable major releases
Name: LossOfPrimaryLineTimingClock (4508) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Sync (1030)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of primary line timing recovered clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-282 LossOfSecondaryLineTimingClock**

Alarm	Attributes	Applicable major releases
Name: LossOfSecondaryLineTimingClock (4509) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Sync (1030)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of secondary line timing recovered clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-283 LossOfSignal (optical)**

Alarm	Attributes	Applicable major releases
Name: LossOfSignal (631) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: Los (1077) Applicable probable causes: <ul style="list-style-type: none"> <li>• Los</li> <li>• LosP</li> <li>• LosOut</li> <li>• LosLdSig</li> <li>• LanLos</li> <li>• LOS</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected.		
<b>Remedial action:</b> A receive port on one of the optical cards has detected a loss of signal. The LOS condition may be raised for the following reasons:1. a misconnected, damaged, or dirty fiber.2. the received power may not be within the acceptable range.The procedures in this section are as follows:1. LOS (Channel Absent Alarm) 2. LD Input LOS.3. CWR Input LOS.4. LOS (Loss of Signal).Please refer detailed section for each in 1830 PSS Troubleshooting guide.		

**Table 3-284 LossOfSonetSdhFrame**

Alarm	Attributes	Applicable major releases
Name: LossOfSonetSdhFrame (5594) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdNimLOF (2347)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is optical power, but the signal is not SONET/SDH framed..		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-285 LossOfSync**

Alarm	Attributes	Applicable major releases
Name: LossOfSync (4510) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lss (1729) Applicable probable causes: <ul style="list-style-type: none"> <li>• Lss</li> <li>• LSS</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of synchronization is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-286 LossOfSynchronizationEgress**

Alarm	Attributes	Applicable major releases
Name: LossOfSynchronizationEgress (4511) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LssEgr (1730)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Client Loss of Synchronization is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-287 LossTooHigh**

Alarm	Attributes	Applicable major releases
Name: LossTooHigh (3373) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprLossHigh (1044)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Out of operational range - loss too high is detected.		
<b>Remedial action:</b> Please refer OPRLOSSHIGH (Out of Operational Range Loss Too High between DCM Ports of LD) in 1830 PSS Troubleshooting guide for detailed corrective action.		



Table 3-288 LossTooLow

Alarm	Attributes	Applicable major releases
Name: LossTooLow (2042) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprLossLow (1027)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Out of operational range - loss too low is detected.		
<b>Remedial action:</b> At the end of each step wait to see if the fault clears. If not, continue with the next step.1. Perform a lightpath trace to check the upstream power levels, making sure that the expected powers are met. Clean fiber connections if necessary and make sure fibers are not kinked or pinched.2. Check if there are any other existing power-related alarms at the amplifier card, and troubleshoot them first.3. Retrieve the optical power levels at the DCM port of the amplifier card where the alarm is raised.WEBUI From the Equipment Tree, select the card, and select the desired port.4. Perform a warm reset on the card where the OPR condition is raised.5. Perform a cold reset of the card.6. Reseat the card.7. Replace the card. Follow the return and repair process in the Customer and Product Support guide to return the faulty card to an authorized repair center for replacement.		

Table 3-289 LostBothTimingReferences

Alarm	Attributes	Applicable major releases
Name: LostBothTimingReferences (4858) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SyncOos (1106)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing lost both references is detected.		
<b>Remedial action:</b> Please refer section SYNCOOS (Timing reference failed (Not Protected or Protection not Available)) / SYNCOOS (Timing reference failed--system going into holdover) in 1830 PSS Troubleshooting guide for detailed corrective action.		

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**Table 3-290 LostRedundantTimingReference**

Alarm	Attributes	Applicable major releases
Name: LostRedundantTimingReference (4859) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: Sync (1030)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing lost a redundant reference is detected.		
<b>Remedial action:</b> The alarm is raised due to lost of redundant reference of system time.Refer SYNC section in in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-291 LotOut**

Alarm	Attributes	Applicable major releases
Name: LotOut (3726) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LotOut (1464)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Loss of tones is detected.		
<b>Remedial action:</b> Please refer section LOT-OUT (Outgoing Loss of Tones) and Path Power Trace for detailed steps to clear the alarm.		

**Table 3-292 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 3-293 LspFailedApe**

Alarm	Attributes	Applicable major releases
Name: LspFailedApe (5570) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LspFailedApe (2324)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Active failed - APE failed.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-294 LspFailedPre**

Alarm	Attributes	Applicable major releases
Name: LspFailedPre (5571) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LspFailedPre (2325)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when active failed - preemption.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-295 LspFailedTp**

Alarm	Attributes	Applicable major releases
Name: LspFailedTp (5572) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LspFailedTp (2326)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when active failed - transmission problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-296 LspFailedUnprot**

Alarm	Attributes	Applicable major releases
Name: LspFailedUnprot (5573) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LspFailedUnprot (2327)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when active failed - unprotected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-297 LspFailedXc**

Alarm	Attributes	Applicable major releases
Name: LspFailedXc (5574) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: LspFailedXc (2328)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when active failed - cross connection problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-298 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational.		

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**Table 3-299 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 3-300 ManLR**

Alarm	Attributes	Applicable major releases
Name: ManLR (4884) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: ManLR (1510)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Logical removal of a timing reference is detected.		
<b>Remedial action:</b> To clear the condition, check with the assigning of connection between the LINEREF and the physical port.		

**Table 3-301 ManSwTimRef**

Alarm	Attributes	Applicable major releases
Name: ManSwTimRef (3925) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: ManSwTimRef (1511)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to a timing reference is detected.		
<b>Remedial action:</b> Check the timing reference quality and priority.		

**Table 3-302 ManSwTimRefT4**

Alarm	Attributes	Applicable major releases
Name: ManSwTimRefT4 (4885) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: ManSwTimRef_T4 (1948)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when T4:Manual switch to a timing reference is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-303 ManSwTolnt

Alarm	Attributes	Applicable major releases
Name: ManSwTolnt (3918) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ManSwTolnt (1503)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System clock forced to internal clock is detected.		
<b>Remedial action:</b> Clear the manual switch.		

Table 3-304 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 3-305 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 3-306 MepError

Alarm	Attributes	Applicable major releases
Name: MepError (5508) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: MepError (2239)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when MEP Error CCM is detected.		
<b>Remedial action:</b> Ensure that all expected peer MEPs are configured correctly.		

Table 3-307 MepLoc

Alarm	Attributes	Applicable major releases
Name: MepLoc (3727) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: Loc (1465)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP stops receiving CCM frames from a peer MEP.		
<b>Remedial action:</b> This alarm is raised when a MEP stops receiving CCM frames from the peer MEP.		

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Table 3-308 MepMacError

Alarm	Attributes	Applicable major releases
Name: MepMacError (5509) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: MepMacError (2240)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when MEP Mac Status is detected.		
<b>Remedial action:</b> Ensure that all expected peer MEPs are configured correctly.		

Table 3-309 MepMmg

Alarm	Attributes	Applicable major releases
Name: MepMmg (3728) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: Mmg (1466)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with correct MEG level but incorrect MEG ID.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with correct MEG level but incorrect MEG ID.		

**Table 3-310 MepXcon**

Alarm	Attributes	Applicable major releases
Name: MepXcon (5510) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: MepXcon (2241)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when MEP Cross Connect CCM is detected.		
<b>Remedial action:</b> Ensure that all expected peer MEPs are configured correctly.		

**Table 3-311 MismatchFiber**

Alarm	Attributes	Applicable major releases
Name: MismatchFiber (3374) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MismatchFiber (1203)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Fiber connection mismatch is detected.		
<b>Remedial action:</b> This alarm is raised when a mismatch in the add channel count between the LD card and its assigned WTOCM port is detected. Please check the fibering between LD and WTOCM pack, make sure the fibering matches the WTOCM port provisioning.		

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**Table 3-312 MissingWaveKey**

Alarm	Attributes	Applicable major releases
Name: MissingWaveKey (4512) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Los (1077) Applicable probable causes: <ul style="list-style-type: none"> <li>• Los</li> <li>• UsLos</li> <li>• LosOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel absent is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-313 MixedPFUsed**

Alarm	Attributes	Applicable major releases
Name: MixedPFUsed (3376) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: MixedPFUsed (1205)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Mixed types of power filters used is detected.		
<b>Remedial action:</b> This alarm indicates that two different types of power filters are provisioned in the shelf. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Identify the power filter model engineered for the installation. 2. Equip the correct matching power filters. 3. Ensure the two power filters are the same type.		

Table 3-314 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 3-315 ModulatorOutputPowerOutOfRange

Alarm	Attributes	Applicable major releases
Name: ModulatorOutputPowerOutOfRange (2051) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ModOutOOR (1732)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Modulator output power out of range is detected.		
<b>Remedial action:</b> This procedure details the corrective action for an MODOUTOOR against the OT port. At the end of each step wait to see if the fault clears. If not, continue with the next step.1. If another card failure is reported on the card, follow the procedure for that specific alarm.2. If the port is pluggable module, remove and reinsert the same module. If the alarm does not clear, replace the module.		

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**Table 3-316 Msim**

Alarm	Attributes	Applicable major releases
Name: Msim (3377) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Msim (1206)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Multiplex Structure Identifier Mismatch is detected.		
<b>Remedial action:</b> Please follow the below steps to clear this alarm: 1. Check if there is a signal degraded alarm reported at OT Port. Perform the corrective action for clearing the alarms found. 2. After all degraded alarms are cleared retrieve the Digital Wrapper performance monitoring group by executing the following command on node CLI: "show interface card_type shelf slot L1 PM DW". 3. Check whether uncorrectable FEC bit errors are reported. If so, perform the action for clearing the signal degraded alarms. 4. After all signal degraded alarms are cleared and no uncorrectable bit errors are reported, check whether the input OTU signal MSI byte is compliant with received OT card settings.		

**Table 3-317 MvrSiteDown**

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 3-318 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 3-319 NEModeMismatch

Alarm	Attributes	Applicable major releases
Name: NEModeMismatch (3963) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: NEModeMismatch (1541)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when NE Mode Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-320 NetworkTimingProtocolOutOfSync**

Alarm	Attributes	Applicable major releases
Name: NetworkTimingProtocolOutOfSync (4865) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NtpOoSync (1933)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when NTP is enabled but not in sync with NTP server is detected.		
<b>Remedial action:</b> 1. Verify provisioned servers are valid and reachable. If not, consult network engineering for correct server addresses. 2. Perform a warm reset on the Equipment Controller that is raising the NTPOOSYNC condition. 3. Perform a cold reset on the Equipment Controller that is raising the NTPOOSYNC condition. 4. Reseat the Equipment Controller that is raising the NTPOOSYNC condition. 5. Replace the Equipment Controller that is raising the NTPOOSYNC condition. Follow the return and repair process to return the card to an authorized repair center for replacement.		

**Table 3-321 NeUnreachable**

Alarm	Attributes	Applicable major releases
Name: NeUnreachable (5575) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NeUnreachable (2329)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when NE not reachable.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 3-322 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 3-323 NKM

Alarm	Attributes	Applicable major releases
Name: NKM (3964) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: NKM (1542)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Encryption Next Key Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-324 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 3-325 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 3-326 NodeDeg**

Alarm	Attributes	Applicable major releases
Name: NodeDeg (5576) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NodeDeg (2330)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GMRE degraded.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-327 NodeRebooted**

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 3-328 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 3-329 NoDeviceFound**

Alarm	Attributes	Applicable major releases
Name: NoDeviceFound (4962) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdNDF (2017)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the RMD Device can not be found.		
<b>Remedial action:</b> Informational - Please ensure the RMD is installed correctly.		

**Table 3-330 NoTdmPayload**

Alarm	Attributes	Applicable major releases
Name: NoTdmPayload (5595) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.TsopChannel	Severity: variable Implicitly cleared: true Default probable cause: RmdTsopNoTdmPI (2348)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when 8 contiguous TSoP packets received with L-bit =" 1. It means that the far end is experiencing a TDM LOS or LOF condition."		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-331 NtpChkSig**

Alarm	Attributes	Applicable major releases
Name: NtpChkSig (5403) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: NtpAuthFail (2112)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid signatures are discovered on incoming NTP packets.		
<b>Remedial action:</b> Verify that the authentication signatures are valid for the NTP server.		

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Table 3-332 NtpLor

Alarm	Attributes	Applicable major releases
Name: NtpLor (3888) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NtpLor (1484)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Multiple references provisioned backup not available is detected.		
<b>Remedial action:</b> Verify provisioned servers are valid and reachable. If not, consult network engineering for correct server addresses. Perform a warm reset on the Equipment Controller that is raising the NTPOOSYNC condition. Perform a cold reset on the Equipment Controller that is raising the NTPOOSYNC condition. Reseat the Equipment Controller that is raising the NTPOOSYNC condition. Replace the Equipment Controller that is raising the NTPOOSYNC condition. Follow the return and repair process to return the card to an authorized repair center for replacement.		

Table 3-333 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 3-334 NunvComm

Alarm	Attributes	Applicable major releases
Name: NunvComm (5577) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvComm (2331)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - communication problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-335 NunvConfig

Alarm	Attributes	Applicable major releases
Name: NunvConfig (5578) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvConfig (2332)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - configuration problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-336 NunvIndetermined**

Alarm	Attributes	Applicable major releases
Name: NunvIndetermined (5579) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvIndetermined (2333)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - indetermined problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-337 NunvReversion**

Alarm	Attributes	Applicable major releases
Name: NunvReversion (5580) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvReversion (2334)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - reversion preempt.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-338 NunvTpBlocked**

Alarm	Attributes	Applicable major releases
Name: NunvTpBlocked (5581) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvTpBlocked (2335)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - TP blocked.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-339 NunvTransmission**

Alarm	Attributes	Applicable major releases
Name: NunvTransmission (5582) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NunvTransmission (2336)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when nominal unavailable - transmission problem.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-340 NvMismatch

Alarm	Attributes	Applicable major releases
Name: NvMismatch (5583) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NvMismatch (2337)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when DPR NV mismatch.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-341 OAPumpLaserBiasCurrentHigh

Alarm	Attributes	Applicable major releases
Name: OAPumpLaserBiasCurrentHigh (4513) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: OaPumpBiasCurrHigh (1042)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OA pump laser bias current high is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-342 OAPumpLaserTempHigh

Alarm	Attributes	Applicable major releases
Name: OAPumpLaserTempHigh (4514) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: OaPumpTempHigh (1043)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OA pump laser temperature high is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-343 OchFdi

Alarm	Attributes	Applicable major releases
Name: OchFdi (4516) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchFdi (1734)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel FDI is detected.		
<b>Remedial action:</b> An automatic and fully distributed capability which indicates a failure in a server networking layer (e.g., Physical Layer). When used with other mechanisms such as CV (Connectivity Verification), it can indicate defects such as misbranching of LSPs and errors in swapping LSP label. Please refer relevant section in 1830 PSS Troubleshooting guide for either OCHFDI (Optical Channel Forward Defect Indication) or VTSFDI (VTS Forward Defect Indication)		

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**Table 3-344 OchKeysReused**

Alarm	Attributes	Applicable major releases
Name: OchKeysReused (5180) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchKeysReused (2096)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Wave Key pair is re-used for channel on Node.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-345 OchKeyUnavail**

Alarm	Attributes	Applicable major releases
Name: OchKeyUnavail (5179) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchKeyUnavail (2095)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Wave Key is Not Available.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-346 OchLos**

Alarm	Attributes	Applicable major releases
Name: OchLos (4517) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: determinate Implicitly cleared: true Default probable cause: Los (1077) Applicable probable causes: <ul style="list-style-type: none"> <li>• Los</li> <li>• LosP</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal - OCH is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-347 OchPdi**

Alarm	Attributes	Applicable major releases
Name: OchPdi (4518) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchPdi (1736)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel PDI is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-348 OciOut

Alarm	Attributes	Applicable major releases
Name: OciOut (4519) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OciOut (1737) Applicable probable causes: <ul style="list-style-type: none"> <li>• OciOut</li> <li>• OCI</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Open Connection Indication - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-349 OcsUnavail

Alarm	Attributes	Applicable major releases
Name: OcsUnavail (4384) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: OcsUnavail (1568)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when DWDM-OCS link down is detected.		
<b>Remedial action:</b> Proceed to Procedure - Clear DWDM-OCS link down in 1830 PSS Troubleshooting guide.		

Table 3-350 OduAis

Alarm	Attributes	Applicable major releases
Name: OduAis (3379) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OduAis (1208)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU-AIS is detected.		
<b>Remedial action:</b> This alarm indicates that the OT port has detected an ODU-AIS at the ODUk level. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Retrieve power level reading on the local OT port. 2. If power level is low on the DWDM facing port, identify the associated OCh trail and verify the power levels along the OCh trail. 3. Identify the farthest upstream point relative to the far end OTUk port at which power level falls within the expected range. 4. Check the alarms/conditions on the node located in step 3 or the node immediately upstream from point identified in step 3. 5. Correct the problem identified in Step 4. 6. If all the power levels along the OCh trails fall within the target range, locate the fiber connected directly to receiver of the port which detects SSF condition. 7. Clean the fiber. 8. Replace the fiber. 9. If the problem is detected on the client port of 11STAR1 OT, and the power level is within the operating range, check for pluggable module alarms. 10. Replace the pluggable module.		

Table 3-351 OduAisEgress

Alarm	Attributes	Applicable major releases
Name: OduAisEgress (3380) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OduAisEgress (1209)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU Egress - AIS is detected.		
<b>Remedial action:</b> 1. Retrieve power level reading on the local OT port. 2. If power level is low on the DWDM facing port, identify the associated OCh trail and verify the power levels along the OCh trail. 3. Identify the farthest upstream point relative to the far end OTUk port at which power level falls within the expected range. 4. Check the alarms/conditions on the node located in Step 3 or the node immediately upstream from point identified in Step 3. 5. Correct the problem identified in Step 4. 6. If all power levels along the OCh trails fall within the target range, locate the fiber connected directly to receiver of the port which detects SSFODUEGR condition. 7. Clean the fiber. 8. If cleaning the fiber does not clear the problem, replace the fiber. 9. If the problem is detected on the client port of OT, and the power level is within the operating range, check for pluggable module alarms. 10. Replace the pluggable module.		

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**Table 3-352 OduAisOut**

Alarm	Attributes	Applicable major releases
Name: OduAisOut (4520) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OduAisOut (1738)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU-AIS OUT is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-353 OmsSSF**

Alarm	Attributes	Applicable major releases
Name: OmsSSF (3965) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OmsSSF (1543)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OMS Server Signal Failure is detected.		
<b>Remedial action:</b> 1 Check the alarms/conditions for the ingress transmission defects which has been report on the same LD point for OMS Server Signal Failure.2 Identify the OTS layer alarm/condition (such as LOS-P) relative to SSF-OMS.3 Perform the steps in Procedure : Clear Incoming payload LOS for clearing the identified alarm/condition.4 Refresh the list of current alarms, and check whether the OMS SSF alarm has cleared.		



**Table 3-354 OneTimingModuleFailed**

Alarm	Attributes	Applicable major releases
Name: OneTimingModuleFailed (4521) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncClk (1085)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing synchronization unit failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-355 OpenConnectionIndication**

Alarm	Attributes	Applicable major releases
Name: OpenConnectionIndication (4522) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Oci (1739) Applicable probable causes: <ul style="list-style-type: none"> <li>• Oci</li> <li>• OpenConnectionIndicationEgress</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Open Connection Indication is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-356 OpenConnectionIndicationEgress**

Alarm	Attributes	Applicable major releases
Name: OpenConnectionIndicationEgress (4923) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OpenConnectionIndicationEgress (1740)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Open Connection Indication Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-357 OprPwrHigh**

Alarm	Attributes	Applicable major releases
Name: OprPwrHigh (3381) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprPwrHigh (1210)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Out of operational range - input power too high is detected.		
<b>Remedial action:</b> This alarm is raised when the signal power into the LINE or SIG port of an amplifier is too high. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-358 OprPwrLow**

Alarm	Attributes	Applicable major releases
Name: OprPwrLow (3382) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprPwrLow (1211)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Out of operational range - input power too low is detected.		
<b>Remedial action:</b> This alarm is raised when the signal power into the LINE or SIG port of an amplifier is too low. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-359 OprTx**

Alarm	Attributes	Applicable major releases
Name: OprTx (3383) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprTx (1212)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel power unstable is detected.		
<b>Remedial action:</b> This alarm is raised on cards with a Wavelength Tracker detect point when the power is outside of the provisioned power range. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

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**Table 3-360 OpticalOutputPowerUnachievable**

Alarm	Attributes	Applicable major releases
Name: OpticalOutputPowerUnachievable (4524) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprUnachieve (961)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel power unachievable is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-361 OpticalParamErr**

Alarm	Attributes	Applicable major releases
Name: OpticalParamErr (5584) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: OpticalParamErr (2338)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when optical parameter file error.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-362 OpticalPowerDeviation

Alarm	Attributes	Applicable major releases
Name: OpticalPowerDeviation (4525) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Opr (1678)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel power unstable is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-363 OpticalPowerReceivedOutOfRange

Alarm	Attributes	Applicable major releases
Name: OpticalPowerReceivedOutOfRange (2064) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprOOR (1742)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical power received out of range is detected.		
<b>Remedial action:</b> This alarm indicates that the OT port has detected a received optical power out of range at OCh Layer. Please follow the below steps to clear this alarm: 1. Retrieve power level reading on the local port. 2. If input power level is lower or higher than required on the port, identify the associated OCh trail and verify the power levels along the OCh trail. If power levels along the upstream OCh trail are outside of their targeted range, then troubleshoot the port before continuing. If any power deviations raise additional alarms, troubleshoot them first. 3. If all power levels along the OCh trails fall within the target range, locate the fiber connected directly to receiver of the port. 4. Clean the fiber and check it for kinks. 5. If step 3 does not clear the alarm, replace the fiber. 6. Clean the input port of the OT. If the port is pluggable module, replace the module.		

**Table 3-364 OpticsModuleMismatch**

Alarm	Attributes	Applicable major releases
Name: OpticsModuleMismatch (2065) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MismatchSfpXfp (1743)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module mismatch is detected.		
<b>Remedial action:</b> This alarm indicates that either the detected shelf identifier does not match the provisioned shelf identifier, or a pluggable module is installed on an Egress LD. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Verify the type of pluggable module that is currently installed into the alarmed card. 2. If the inserted pluggable module is of correct type by the service record but the MODULETYPE attribute is not correct, then modify the MODULETYPE value. 3. If the inserted pluggable module is of the incorrect type, then remove the module and insert one that matches the expected module type. 4. If the inserted pluggable module is of the correct type, then remove the module and reseal it back into the card. For detailed steps please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-365 OpticsModuleUnknown**

Alarm	Attributes	Applicable major releases
Name: OpticsModuleUnknown (3386) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UnknownSfpXfp (1744)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module unknown is detected.		
<b>Remedial action:</b> This alarm indicates that the optics module(pluggable module) inserted in the port is of type that is not recognized and the system cannot obtain manufacturing information of the unit. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. To clear the pack while it is still in service, do one of the following: a. Change the notification from a standing alarm to a transient condition, or b. Change the MODULETYPE provisioning(from "auto" to "user"). 2. Perform a warm reset of the card. 3. Remove the pluggable module and examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. 4. Remove and replace the pluggable module with another unit of the same type. 5. Perform a cold reset of the card. 6. Reseat the card. 7. If there is no transmission, check that the provisioned signal rate is supported by the pluggable module. 8. Replace the card. For detailed steps please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-366 OptIntBase**

Alarm	Attributes	Applicable major releases
Name: OptIntBase (4523) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OptIntBase (1741)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical Intrusion - Baseline Needed is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-367 OptIntDet**

Alarm	Attributes	Applicable major releases
Name: OptIntDet (3384) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OptIntDet (1213)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical Intrusion - Detected is detected.		
<b>Remedial action:</b> Click the Optical Intrusion tab.Select the Clear Optical Intrusion Detected Alarm field, and click Submit.		

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**Table 3-368 OptIntSusp**

Alarm	Attributes	Applicable major releases
Name: OptIntSusp (3385) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OptIntSusp (1214)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical Intrusion - Monitoring Suspended is detected.		
<b>Remedial action:</b> Optical intrusion monitoring to the line fibre is suspended due to local or upstream NE conditions. The alarm could be due to a variety of NE alarms such as NET, LOS-P, APR and CARDINIT. The OPTINTSUSP alarm clears when the underlying cause clears. Follow the respective procedure to clear the underlying cause alarms.		

**Table 3-369 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		



**Table 3-370 OSNRMESC**

Alarm	Attributes	Applicable major releases
Name: OSNRMESC (4922) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: OSNRMESC (1986)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OSNR Measurement Exclusive on Selected Channels .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-371 OSPFADJ**

Alarm	Attributes	Applicable major releases
Name: OSPFADJ (3378) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OSPFADJ (1207)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OSPF Adjacency not Full is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-372 OspflInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 3-373 OTMCPF**

Alarm	Attributes	Applicable major releases
Name: OTMCPF (4515) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: OTMCPF (1733)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OT minor circuit pack failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-374 OtuAis**

Alarm	Attributes	Applicable major releases
Name: OtuAis (4526) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OtuAis (1745)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OTU AIS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-375 OverTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

## 3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms

Table 3-376 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 3-377 PayloadTypeMismatch

Alarm	Attributes	Applicable major releases
Name: PayloadTypeMismatch (4527) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Plm (1746) Applicable probable causes: <ul style="list-style-type: none"> <li>• Plm</li> <li>• PayloadTypeMismatchEgress</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Payload Type Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-378 PayloadTypeMismatchEgress

Alarm	Attributes	Applicable major releases
Name: PayloadTypeMismatchEgress (4924) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PayloadTypeMismatchEgress (1747)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Payload Type Mismatch Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-379 PCSGeneratorActive

Alarm	Attributes	Applicable major releases
Name: PCSGeneratorActive (3387) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PCSGeneratorActive (1216)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when PCS Generator active is detected.		
<b>Remedial action:</b> This alarm is raised when the signal loopback test is in progress at the 100GA/D client port. To clear this alarm please execute the following command from the node CLI: "config interface card_type shelf slot c1 loopback testsignal disabled".		

**Table 3-380 PersistentIndexParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

**Table 3-381 PhysicalLinkPortsMisconfigured**

Alarm	Attributes	Applicable major releases
Name: PhysicalLinkPortsMisconfigured (239) Type: configurationAlarm (11) Package: netw Raised on class: netw.AbstractPhysicalLink	Severity: minor Implicitly cleared: true Default probable cause: physicalLinkPortsMisconfigured (181)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is an MTU size mismatch between a link endpoint and a port. The alarm clears when the MTUs match.		
<b>Raising condition:</b> ('physicalLinkMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('physicalLinkMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value(s) on the link endpoint and port must be changed such that they match.		

Table 3-382 PlmOduOut

Alarm	Attributes	Applicable major releases
Name: PlmOduOut (4528) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PlmOduOut (1748) Applicable probable causes: <ul style="list-style-type: none"> <li>PlmOduOut</li> <li>PLMP</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Payload Mismatch Indication - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-383 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

## 3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms

Table 3-384 PortDegrade

Alarm	Attributes	Applicable major releases
Name: PortDegrade (4529) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FacTermDgr (1749)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port degrade device is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-385 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 3-386 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

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Table 3-387 PortFailure

Alarm	Attributes	Applicable major releases
Name: PortFailure (2070) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FacTermDev (1750) Applicable probable causes: <ul style="list-style-type: none"> <li>FacTermDev</li> <li>Eqpt</li> <li>Mtcssurv</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module SEEP failure is detected.		
<b>Remedial action:</b> This alarm indicates a port indicates a port initialization failure on the network ports(10G ports). Please follow the below steps to clear this alarm: 1. Perform a warm reset of the card. 2. Perform a cold reset of the card. 3. Reseat the card. 4. Remove the pluggable module from the port. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. 5. Remove and replace the pluggable module with another unit of the same type. 6. Replace the card. For detailed steps please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-388 PortMismatch

Alarm	Attributes	Applicable major releases
Name: PortMismatch (4530) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port provisioning mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms

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**Table 3-389 PortTransmissionDegrade**

Alarm	Attributes	Applicable major releases
Name: PortTransmissionDegrade (2071) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LsrOutDgr (1052)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port transmit degrade is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-390 PortTransmissionFailure**

Alarm	Attributes	Applicable major releases
Name: PortTransmissionFailure (3388) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Trmt (1217)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port transmit failure is detected.		
<b>Remedial action:</b> 1. Perform a warm reset of the card.2. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. If no damage is seen, reinsert the pluggable module into its port.3. Remove and replace the pluggable module with another unit of the same type.4. Perform a cold reset of the card on the card where the pluggable module failure is raised.5. Reseat the card. 6. Replace the card.		

**Table 3-391 PowerAdjustFailed**

Alarm	Attributes	Applicable major releases
Name: PowerAdjustFailed (4531) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrAdjFail (1053)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Adjustment Failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-392 PowerAdjustLossMarginExceeded**

Alarm	Attributes	Applicable major releases
Name: PowerAdjustLossMarginExceeded (4532) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrMargin (1751)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Adjustment Margin Exceeded is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-393 PowerAdjustRequired**

Alarm	Attributes	Applicable major releases
Name: PowerAdjustRequired (4533) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrAdjReq (1054)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Adjustment Required is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-394 PowerFail**

Alarm	Attributes	Applicable major releases
Name: PowerFail (4963) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdPWR (2018)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a power failure on the RMD Device.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

Table 3-395 PowerMgmtSuspended

Alarm	Attributes	Applicable major releases
Name: PowerMgmtSuspended (4534) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrSusp (1057)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power management suspended is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-396 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 3-397 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 3-398 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 3-399 PPSLos

Alarm	Attributes	Applicable major releases
Name: PPSLos (3966) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: PPSLos (1544)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of 1PPS Signal is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-400 PrcdrErrTopoOut

Alarm	Attributes	Applicable major releases
Name: PrcdrErrTopoOut (3733) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErrTopoOut (1471)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power management topology invalid-out is detected.		
<b>Remedial action:</b> Valid cross-connects must terminate on one of the following end-points: 1. a port marked as "External". 2. a port marked as "No-Connect". 3. a transponder network port. Please follow the below steps to clear this alarm: 1. Examine the cross-connects on the NE, and look for cross-connects that do not conform to the rules. 2. Delete the invalid connections. Any service that is running over an invalid cross-connect that is deleted is interrupted. 3. Recreate valid cross-connects for the interrupted services.		

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**Table 3-401 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 3-402 ProtSwitchDeviceFailure**

Alarm	Attributes	Applicable major releases
Name: ProtSwitchDeviceFailure (4535) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SwEqpt (981)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Protection switching equipment failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-403 PTPFreeRun**

Alarm	Attributes	Applicable major releases
Name: PTPFreeRun (4953) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: variable Implicitly cleared: true Default probable cause: PTPFreeRun (2008)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP clock in the free-running status .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-404 PTPRefLoss**

Alarm	Attributes	Applicable major releases
Name: PTPRefLoss (4954) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: variable Implicitly cleared: true Default probable cause: PTPRefLoss (2009)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when No available time references .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-405 PTPRefUnstable

Alarm	Attributes	Applicable major releases
Name: PTPRefUnstable (4955) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: PTPRefUnstable (2010)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when The current time reference is unstable .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-406 PwrAdjComms

Alarm	Attributes	Applicable major releases
Name: PwrAdjComms (3734) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrAdjComms (1472)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Inter NE communication timeout blocking power adjustment is detected.		
<b>Remedial action:</b> Please follow following steps to clear this alarm.1. If the PWRADJFAIL alarm occurs with the PWRADJCOMMS alarm, proceed to PWRADJFAIL before continuing with this procedure.2. If the upstream NE is undergoing discovery by an NMS system, wait for the NMS to finish discovery.3.Verify that the topology is set up properly to the upstream NE.4. Verify the local NE can communicate with the upstream NE.5. Repeat Step-3.6.Verify that the upstream NE is functioning as it should. Ensure that there is CN/OSPF connectivity at the NE raising the alarm by checking any other alarms on the NE CN links. Check that the OSC channel is operational.7.Activate an ingress adjust.8. If the ingress adjustment fails, troubleshoot why it failed using the Adjust Result and go to the troubleshooting steps for the PWRADJFAIL alarm.		

**Table 3-407 PWRADJFAILADD**

Alarm	Attributes	Applicable major releases
Name: PWRADJFAILADD (3729) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PWRADJFAILADD (1467)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Add Power Adjustment Failure is detected.		
<b>Remedial action:</b> Wait until the APR condition has been cleared.Re-try the adjustment.For Further details,Please refer 1830 PSS Node Maintenance and Troubleshooting guide.		

**Table 3-408 PWRADJFAILDRP**

Alarm	Attributes	Applicable major releases
Name: PWRADJFAILDRP (3730) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PWRADJFAILDRP (1468)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Drop Power Adjustment Failure is detected.		
<b>Remedial action:</b> Wait until the APR condition has been cleared.Re-try the adjustment.For Further details,Please refer 1830 PSS Node Maintenance and Troubleshooting guide.		

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Table 3-409 PWRADJREQADD

Alarm	Attributes	Applicable major releases
Name: PWRADJREQADD (3731) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PWRADJREQADD (1469)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Add Power Adjustment Required is detected.		
<b>Remedial action:</b> 1. Perform a power adjust operation at the ingress amplifier card or the ALPHG card that has raised the PWRADJREQ alarm. 2. If the adjustment is successful, then the PWRADJREQ alarm will be cleared. Continue with Step 3. If the adjustment fails, then the PWRADJFAIL alarm will appear. Proceed to PWRADJFAIL. 3. Follow the appropriate procedures in the Alcatel-Lucent 1830 PSS User Provisioning Guide to validate the set parameters of the network per the Network Plan.		

Table 3-410 PWRADJREQDRP

Alarm	Attributes	Applicable major releases
Name: PWRADJREQDRP (3732) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PWRADJREQDRP (1470)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Drop Power Adjustment Required is detected.		
<b>Remedial action:</b> 1. Perform a power adjust operation at the ingress amplifier card or the ALPHG card that has raised the PWRADJREQ alarm. 2. If the adjustment is successful, then the PWRADJREQ alarm will be cleared. Continue with Step 3. If the adjustment fails, then the PWRADJFAIL alarm will appear. Proceed to PWRADJFAIL. 3. Follow the appropriate procedures in the Alcatel-Lucent 1830 PSS User Provisioning Guide to validate the set parameters of the network per the Network Plan.		

**Table 3-411 PwrEdfaMargin**

Alarm	Attributes	Applicable major releases
Name: PwrEdfaMargin (4536) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrEdfaMargin (1752)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when EDFA input power approaching upper limit is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-412 PwrMaxGain**

Alarm	Attributes	Applicable major releases
Name: PwrMaxGain (2081) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrMaxGain (1062)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Gain Adjustment Exceeded Max Value is detected.		
<b>Remedial action:</b> This alarm indicates that the loss between the upstream NE line and the alarmed LD line is higher than expected. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-413 PwrTiltParams**

Alarm	Attributes	Applicable major releases
Name: PwrTiltParams (3967) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrTiltParams (1545)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Parameters for amplifier tilt adjustment unconfigured is detected.		
<b>Remedial action:</b> Configure the parameters required for automatic tilt adjustment to non-default values, or disable automatic tilt adjustment for the line.		

**Table 3-414 PwrTiltSusp**

Alarm	Attributes	Applicable major releases
Name: PwrTiltSusp (3389) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrTiltSusp (1218)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Amplifier Gain Tilt Adjustments Suspended is detected.		
<b>Remedial action:</b> This alarm is raised when: 1. The automatic amplifier gain tilt adjustments are suspended, in the direction of transmission, for the optical multiplex section originating at the OADM line because optical channel power measurement for the line is impaired. 2. It is caused when the channel exceeds the number of attempts it can use to get power information from the Line Out port. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-415 PwrUnbalance

Alarm	Attributes	Applicable major releases
Name: PwrUnbalance (3390) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrUnbalance (1219)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when OPS Power Unbalance in OLP is detected.		
<b>Remedial action:</b> This alarm is raised when the difference of input power at A and B ports on OPSA is more than 2 dB. Please follow the below steps to clear this alarm: 1. Check whether ingress LD's gains for working and protection paths have been set correctly according to power budget table. 2. Check whether Total Output Powers on ingress LD's SIG out port for working and protection paths are in range. 3. If all above steps are correct, verify that the fibers to OPSA A/B in ports are not damaged or dirty, and clean or replace them.		

Table 3-416 PwrUnbalanceOms

Alarm	Attributes	Applicable major releases
Name: PwrUnbalanceOms (3391) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PwrUnbalanceOms (1220)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Power Unbalance is detected.		
<b>Remedial action:</b> This alarm is raised when the difference of input power at A and B ports on OPSA is more than 2 dB. Please follow the below steps to clear this alarm: 1. Check whether ingress LD's gains for working and protection paths have been set correctly according to power budget table. 2. Check whether Total Output Powers on ingress LD's SIG out port for working and protection paths are in range. 3. If all above steps are correct, verify that the fibers to OPSA A/B in ports are not damaged or dirty, and clean or replace them. See further details in 1830 PSS Troubleshooting guide.		

**Table 3-417 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 3-418 RamanSup**

Alarm	Attributes	Applicable major releases
Name: RamanSup (4537) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: RAMANSUP (1063)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Raman Suppress - Line is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 3-419 RcvrOptProg

Alarm	Attributes	Applicable major releases
Name: RcvrOptProg (2083) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: RcvrOptProg (1060)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Receiver Optimization in Progress is detected.		
<b>Remedial action:</b> This procedure details the corrective action for a RCVROPTPROG against the Line port.1. Wait approximately 15 minutes for the LOS or LOF alarm to clear.2. Ensure that the administrative state of the port is Admin Up. When it is Up, then toggle the administrative state from UP > DOWN > UP.3. If a faulty43STX4P pack caused the RCVROPTPROG alarm, replace with it a new 43STX4 pack. After replacement, if the condition persists, fiber loopback the line side of the 43STX4 pack.Remove the fiber from the port where the LOS or LOF was raised and measure the optical power.If the RCVROPTPROG condition is still present more than 15 minutes after the LOS or LOF alarm clears, the problem may be with the card.If the problem is on the Line input signal of the pack, check the signal. After a 40G OT card has initialized successfully, the Tunable Dispersion Compensator (TDC) and Delay Line Interferometer (DLI) on the line-side receive path will automatically tune to optimize transmission performance. During the TDC/DLI optimization, the RCVROPTPROG alarm is raised to notify the user that the pack is tuning, and transmission is not yet stable. When the TDC/DLI tuning process is completed, the alarm clears.4. Perform a warm reset of the card.5. Perform a cold reset of the card.6. Reseat and replace the card.		

Table 3-420 RDI (ethernetoam)

Alarm	Attributes	Applicable major releases
Name: RDI (806) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: variable Implicitly cleared: true Default probable cause: Rdi (1888)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The RDI alarm is raised when a MEP receives a CCM frame with the RDI field set.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with the RDI field set.		

**Table 3-421 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 3-422 ReadyToRevert**

Alarm	Attributes	Applicable major releases
Name: ReadyToRevert (5586) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ReadyToRevert (2340)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ready to revert.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-423 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 3-424 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 3-425 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 3-426 RemoteFailureIndication

Alarm	Attributes	Applicable major releases
Name: RemoteFailureIndication (4538) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanRfi (1065)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Fault is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-427 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 3-428 RemotePacketLost

Alarm	Attributes	Applicable major releases
Name: RemotePacketLost (5596) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.TsopChannel	Severity: variable Implicitly cleared: true Default probable cause: RmdTsopRPL (2349)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when 8 contiguous TSoP packets received with R-bit = " 1. Cleared when 8 contiguous TSoP packets received with R-bit = 0."		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

Table 3-429 ReplUnitMissMOD

Alarm	Attributes	Applicable major releases
Name: ReplUnitMissMOD (3392) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ReplUnitMissMOD (1221)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module missing is detected.		
<b>Remedial action:</b> This alarm indicates that the optics module(pluggable module) for the port is missing or the card is not able to successfully detect the presence of the module. Please follow the below steps to clear this alarm: 1. If there is no pluggable module in the port where the pluggable module missing condition is raised, then insert one that is appropriate for that transponder card. 2. Perform a warm reset of the card. 3. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the SFP and the receptacle connector on the card where the SFP plugs into for any damage. If no damage is seen, then reinsert the pluggable module into its port. 4. Remove and replace the pluggable module with another unit of the same type. 5. Perform a cold reset of the card. 6. Reseat the card. 7. Replace the card. For detailed steps please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

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**Table 3-430 ReRouted**

Alarm	Attributes	Applicable major releases
Name: ReRouted (5585) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: ReRouted (2339)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when rerouted.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-431 RestorationDisabled**

Alarm	Attributes	Applicable major releases
Name: RestorationDisabled (5587) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: RestorationDisabled (2341)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GMRE automatic restoration disabled.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-432 RfiEgress**

Alarm	Attributes	Applicable major releases
Name: RfiEgress (4539) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: RfiEgr (1753)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Client Remote Fault is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-433 RouteNotPossible**

Alarm	Attributes	Applicable major releases
Name: RouteNotPossible (5588) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: RouteNotPossible (2342)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when route not possible.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-434 SapMacAddrLimitReached**

Alarm	Attributes	Applicable major releases
Name: SapMacAddrLimitReached (5597) Type: resourceAlarm (28) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: variable Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the SAP FDB table reaches 75% of the maximum number of FDB Entries		
<b>Remedial action:</b> Informational		

**Table 3-435 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		



Table 3-436 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 3-437 SdhAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SdhAlarmIndicationSignal (4540) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AisL (1754) Applicable probable causes: <ul style="list-style-type: none"> <li>• AisL</li> <li>• AisLM</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS Line/MS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-438 SdhLossOfClock**

Alarm	Attributes	Applicable major releases
Name: SdhLossOfClock (4541) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-439 SdhLossOfFrame**

Alarm	Attributes	Applicable major releases
Name: SdhLossOfFrame (4542) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-440 SdhLossOfPointer**

Alarm	Attributes	Applicable major releases
Name: SdhLossOfPointer (4543) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-441 SdhLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: SdhLossOfSignal (4544) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Los (1077) Applicable probable causes: <ul style="list-style-type: none"> <li>• Los</li> <li>• LosP</li> <li>• LosOut</li> <li>• LosLdSig</li> <li>• LanLos</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of signal is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-442 SdhMultiplexSectionRemoteFailureIndication**

Alarm	Attributes	Applicable major releases
Name: SdhMultiplexSectionRemoteFailureIndication (4545) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanRfi (1065)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Fault is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-443 SdhRegeneratorSectionTraceMismatch**

Alarm	Attributes	Applicable major releases
Name: SdhRegeneratorSectionTraceMismatch (4546) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Tim (1074)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trace Identifier Mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-444 SdhSignalDegrade**

Alarm	Attributes	Applicable major releases
Name: SdhSignalDegrade (4547) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sd (1758)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Signal Degrade is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-445 SdhSignalFailure**

Alarm	Attributes	Applicable major releases
Name: SdhSignalFailure (4548) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sf (1079)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Excessive BER is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-446 ServerSignalFailure**

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailure (4549) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OscSsf (1759) Applicable probable causes: <ul style="list-style-type: none"> <li>• OscSsf</li> <li>• Ssf</li> <li>• SsfOdu</li> <li>• ServerSignalFailureEgress</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server signal failure - OSC is detected.		
<b>Remedial action:</b> This alarm indicates that the OT port has detected an Optical Channel (Och) Server Signal Failure. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Retrieve power level reading on the local OT port. 2. If power level is low on the DWDM facing port, identify the associated OCh trail and verify the power levels along the OCh trail. 3. Identify the farthest upstream point relative to the far end OTUk port at which power level falls within the expected range. 4. Check the alarms/conditions on the node located in step 3 or the node immediately upstream from point identified in step 3. 5. Correct the problem identified in Step 4. 6. If all the power levels along the OCh trails fall within the target range, locate the fiber connected directly to receiver of the port which detects SSF condition. 7. Clean the fiber. 8. Replace the fiber. 9. If the problem is detected on the client port of 11STAR1 OT, and the power level is within the operating range, check for pluggable module alarms. 10. Replace the pluggable module.		

**Table 3-447 ServerSignalFailureEgress**

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureEgress (4933) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ServerSignalFailureEgress (1762)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-448 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 3-449 SfpEOL

Alarm	Attributes	Applicable major releases
Name: SfpEOL (4550) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SfpEOL (1763)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SFP or XFP Laser end of life is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-450 SFPEquipmentFail**

Alarm	Attributes	Applicable major releases
Name: SFPEquipmentFail (4964) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfEQF (2019)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is an equipment failure on the RMD SFP.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-451 SFP LossOfSignal**

Alarm	Attributes	Applicable major releases
Name: SFP LossOfSignal (4965) Type: communicationsAlarm (4) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfLOS (2020)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected. Only applicable to customer ports.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		



**Table 3-452 SfpReceiverPwrOOR**

Alarm	Attributes	Applicable major releases
Name: SfpReceiverPwrOOR (4551) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SfpReceiverPwrOOR (1080)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module optical receiver power out of range is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-453 SfpTempOOR**

Alarm	Attributes	Applicable major releases
Name: SfpTempOOR (2088) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SfpTempOOR (1068)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SFP or XFP laser temperature out of range is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-454 SfpTrmtPwrOOR**

Alarm	Attributes	Applicable major releases
Name: SfpTrmtPwrOOR (4552) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SfpTrmtPwrOOR (1069)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SFP or XFP optical transmit power out of range is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-455 ShelfInVoltHigh**

Alarm	Attributes	Applicable major releases
Name: ShelfInVoltHigh (4553) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ShelfInVoltHigh (1764)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf Supply Voltage High is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-456 ShelfInVoltLow**

Alarm	Attributes	Applicable major releases
Name: ShelfInVoltLow (4554) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ShelfInVoltLow (1765)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf Supply Voltage Low is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-457 ShelfInVoltMaxCur**

Alarm	Attributes	Applicable major releases
Name: ShelfInVoltMaxCur (5448) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ShelfInVoltMaxCur (2158)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Low input voltage floor defect .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-458 ShelfMismatch**

Alarm	Attributes	Applicable major releases
Name: ShelfMismatch (2090) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf mismatch is detected.		
<b>Remedial action:</b> This alarm is raised when the detected DCM or SFD44 shelf serial number does not match the provisioned serial number. Please follow the below steps to clear this alarm: 1. Review DCM and SFD44 shelf serial numbers and make corrections as needed. 2. Display the shelf list. 3. View the results, and use the following commands as needed: a. To change as DCM/SFD44 shelf serial number("config shelf <shelf> serialnum <string>"). b. To create a new shelf("config shelf <shelf> type dcm" or "config shelf <shelf> type sfd44"). c. To delete an existing shelf("config shelf <shelf> type empty"). 4. If the correct serial number is provisioned, but the wrong DCM or SFD44 module is connected, replace the module with one which has the correct serial number.		

**Table 3-459 SignalDegrade**

Alarm	Attributes	Applicable major releases
Name: SignalDegrade (2091) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Deg (1071) Applicable probable causes: <ul style="list-style-type: none"> <li>• Deg</li> <li>• SignalDegradeEgress</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Signal Degrade - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-460 SignalDegradeEgress**

Alarm	Attributes	Applicable major releases
Name: SignalDegradeEgress (4934) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SignalDegradeEgress (1766)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Signal Degrade Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-461 SLCBOOTCONTCOM**

Alarm	Attributes	Applicable major releases
Name: SLCBOOTCONTCOM (4925) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCBOOTCONTCOM (1987)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC Booting Communication failure .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-462 SLCCARDINIT**

Alarm	Attributes	Applicable major releases
Name: SLCCARDINIT (4926) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCCARDINIT (1988)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC initializing .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-463 SLCCLKSYNC**

Alarm	Attributes	Applicable major releases
Name: SLCCLKSYNC (4927) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCCLKSYNC (1989)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC Clock Sync in progress .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-464 SLCCONTCOM**

Alarm	Attributes	Applicable major releases
Name: SLCCONTCOM (4928) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCCONTCOM (1990)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC failure - communication .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-465 SLCDATAFLT**

Alarm	Attributes	Applicable major releases
Name: SLCDATAFLT (4929) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCDATAFLT (1991)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC provisioning failure .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-466 SLCEQPTBOOT**

Alarm	Attributes	Applicable major releases
Name: SLCEQPTBOOT (4930) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCEQPTBOOT (1992)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC Card failure - infra/boot failure .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-467 SLCMISMATCH**

Alarm	Attributes	Applicable major releases
Name: SLCMISMATCH (4931) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCMISMATCH (1993)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC Software version mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-468 SLCNOTINSERVICE**

Alarm	Attributes	Applicable major releases
Name: SLCNOTINSERVICE (4932) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SLCNOTINSERVICE (1994)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SLC Card not in service .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-469 SLTMSIG**

Alarm	Attributes	Applicable major releases
Name: SLTMSIG (3735) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SLTMSIG (1473)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Timing reference out-of-frequency is detected.		
<b>Remedial action:</b> To clear the alarm, check the reference frequency offset.		

**Table 3-470 SoftwareNotCommitted**

Alarm	Attributes	Applicable major releases
Name: SoftwareNotCommitted (4871) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SwUpgCommit (1109)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when No committed software load Autoinstall disabled is detected.		
<b>Remedial action:</b> For 1830 PSS Node, To upgrade to a new release or clear the alarm, the current software load must be committed. Enter the following command to commit the software: CLI config software upgrade commit.		

**Table 3-471 SoftwareUpgradeFailure**

Alarm	Attributes	Applicable major releases
Name: SoftwareUpgradeFailure (2899) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SwUpgFail (1110)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Software upgrade failed is detected.		
<b>Remedial action:</b> For 1830 PSS Node.Refer section SWUPGFAL (Software Upgrade Failed) in 1830 PSS TroubleShooting guide.		

Table 3-472 SoftwareUpgradeInProgress

Alarm	Attributes	Applicable major releases
Name: SoftwareUpgradeInProgress (2900) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SwftDwn (1111)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Software upgrade in progress is detected.		
<b>Remedial action:</b> Informational.		

Table 3-473 SoftwareVersionMismatch

Alarm	Attributes	Applicable major releases
Name: SoftwareVersionMismatch (2092) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SfMismatch (1072) Applicable probable causes: <ul style="list-style-type: none"> <li>• SfMismatch</li> <li>• SWMISM</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Software version mismatch is detected.		
<b>Remedial action:</b> This alarm is raised under the following conditions: a. The software on the alarmed card does not match the software on the nearest EC card because the card failed to update successfully. b. When all cards are not running the same software release. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Find the software version number and release number on the EC card. Compare the corresponding number in the alarmed card. If it is not the same, download the software from EC to the alarmed card. 2. Contact your next level of support.		

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**Table 3-474 SonetAlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: SonetAlarmIndicationSignal (4555) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: AisL (1754) Applicable probable causes: <ul style="list-style-type: none"> <li>• AisL</li> <li>• AisLM</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when AIS Line/MS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-475 SonetLineRemoteFailureIndication**

Alarm	Attributes	Applicable major releases
Name: SonetLineRemoteFailureIndication (4556) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: RfiL (1767)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when RFI Line/MS is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-476 SonetLossOfClock**

Alarm	Attributes	Applicable major releases
Name: SonetLossOfClock (4557) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-477 SonetLossOfFrame**

Alarm	Attributes	Applicable major releases
Name: SonetLossOfFrame (2093) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> A receive port on one of the optical cards has detected a Loss Of Frame. The LOF alarm is raised if: the SONET framer detects framing errors in the A1/A2 overhead bytes as per the SONET specification the OTN framer detects corruption in the Framing Alignment Signal (FAS) bytes. Please refer LOF (Loss Of Frame) section for detailed corrective action in 1830 PSS Troubleshooting guide.		

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**Table 3-478 SonetLossOfPointer**

Alarm	Attributes	Applicable major releases
Name: SonetLossOfPointer (4558) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LostClock (1026)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of clock is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-479 SonetLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: SonetLossOfSignal (4559) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Los (1077)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of signal is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-480 SonetSectionTraceMismatch**

Alarm	Attributes	Applicable major releases
Name: SonetSectionTraceMismatch (2094) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Tim (1074)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trace Identifier Mismatch is detected.		
<b>Remedial action:</b> This alarm indicates that the received trail trace is not the same as the expected trail trace. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-481 SonetSignalDegrade**

Alarm	Attributes	Applicable major releases
Name: SonetSignalDegrade (4560) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sd (1758)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Signal Degrade is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-482 SonetSignalFailure**

Alarm	Attributes	Applicable major releases
Name: SonetSignalFailure (4561) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Sf (1079)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Excessive BER is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-483 SpLoAdjFail**

Alarm	Attributes	Applicable major releases
Name: SpLoAdjFail (3393) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SpLoAdjFail (1222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Span Loss Adjustment Failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-484 SrgDiversity**

Alarm	Attributes	Applicable major releases
Name: SrgDiversity (5589) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SrgDiversity (2343)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SRG diversity violation.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-485 SsfCltEgr**

Alarm	Attributes	Applicable major releases
Name: SsfCltEgr (3969) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfCltEgr (1546)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Egress Server Signal Failure - Client is detected.		
<b>Remedial action:</b> Proceed to Procedure - Clear Egress Server Signal Failure-Client in 1830 PSS Troubleshooting guide.		

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**Table 3-486 SsfOduOut**

Alarm	Attributes	Applicable major releases
Name: SsfOduOut (4562) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfOduOut (1768)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Server Signal Failure - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-487 SsfSection**

Alarm	Attributes	Applicable major releases
Name: SsfSection (4563) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfSection (1769)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure - Section is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-488 SsfSectionOut

Alarm	Attributes	Applicable major releases
Name: SsfSectionOut (4935) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfSectionOut (1995)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Server Signal Failure - Section .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-489 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

**Table 3-490 SubNodeUnreachable**

Alarm	Attributes	Applicable major releases
Name: SubNodeUnreachable (5590) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: SubNodeUnreachable (2344)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Logical node not reachable.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-491 SubscriberSystemNextHopUsageHigh**

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 3-492 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 3-493 SubtendedShelfIdAssignmentFailure

Alarm	Attributes	Applicable major releases
Name: SubtendedShelfIdAssignmentFailure (4872) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a subtended shelf cannot be assigned a shelf ID.		
<b>Remedial action:</b> Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

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**Table 3-494 SupvySignalDegrade**

Alarm	Attributes	Applicable major releases
Name: SupvySignalDegrade (4564) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SdegO (1770)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when SUPVY Signal Degrade is detected.		
<b>Remedial action:</b> This alarm is raised when OSC SFP receive port on one of the amplifier cards has detected a signal degrade. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

**Table 3-495 SuspectClkFreq**

Alarm	Attributes	Applicable major releases
Name: SuspectClkFreq (5449) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SuspectClkFreq (2159)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Freq error > 9.2 ppm ==> downstream wavetracker errors ."		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-496 SyncEqpt**

Alarm	Attributes	Applicable major releases
Name: SyncEqpt (4565) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncEqpt (1185)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Synchronization equipment failure is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Synchronization Equipment (CRU) failure alarm in 1830 PSS Troubleshooting guide.		

**Table 3-497 SyncIfTimingHoldover**

Alarm	Attributes	Applicable major releases
Name: SyncIfTimingHoldover (3970) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingHoldover (1547)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Sync Timing Holdover is detected.		
<b>Remedial action:</b> Please refer section - System Timing is in Autonomous Holdover Synchronization Mode in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-498 SyncIfTimingRef1Alarm**

Alarm	Attributes	Applicable major releases
Name: SyncIfTimingRef1Alarm (3971) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingRef1Alarm (1548)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Sync Timing LineRef0 Alarm is detected.		
<b>Remedial action:</b> This means Synchronization timing reference one has an alarm condition. Please refer section - Sync Timing Reference Failure in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-499 SyncIfTimingRef2Alarm**

Alarm	Attributes	Applicable major releases
Name: SyncIfTimingRef2Alarm (3972) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncIfTimingRef2Alarm (1549)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Sync Timing LineRef1 Alarm is detected.		
<b>Remedial action:</b> This means Synchronization timing reference two has an alarm condition. Please refer section - Sync Timing Reference Failure in 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-500 SyncLoss**

Alarm	Attributes	Applicable major releases
Name: SyncLoss (4956) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: variable Implicitly cleared: true Default probable cause: SyncLoss (2011)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Sync messages on the slave port .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-501 SyncOos**

Alarm	Attributes	Applicable major releases
Name: SyncOos (3919) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncOos (1106)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when All selectable timing reference fail is detected.		
<b>Remedial action:</b> SYNCOOS (Timing reference failed (Not Protected or Protection not Available)) / SYNCOOS (Timing reference failed--system going into holdover).Check the timing reference quality and priority.Also, Check the reference status.		

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**Table 3-502 SyncOosT4**

Alarm	Attributes	Applicable major releases
Name: SyncOosT4 (4566) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncOos_T4 (1771)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when T4:All selectable timing reference fail is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-503 SyncRefFail**

Alarm	Attributes	Applicable major releases
Name: SyncRefFail (3736) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SyncRefFail (1474)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when timing reference fails. .		
<b>Remedial action:</b> Check the timing reference quality and priority.		

**Table 3-504 SyncRefUnEq**

Alarm	Attributes	Applicable major releases
Name: SyncRefUnEq (3926) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SyncRefUnEq (1512)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Timing reference is unassigned is detected.		
<b>Remedial action:</b> Check the reference assignment.		

**Table 3-505 SyncT4Out**

Alarm	Attributes	Applicable major releases
Name: SyncT4Out (4567) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncT4Out (1772)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Timing quality for output timing is insufficient and therefore squelched is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-506 SystemTimingCardMismatch**

Alarm	Attributes	Applicable major releases
Name: SystemTimingCardMismatch (4568) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: Mismatch (1034)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing card mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-507 SystemTimingLossOfBothClocks**

Alarm	Attributes	Applicable major releases
Name: SystemTimingLossOfBothClocks (4569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncSysOos (1029)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing loss of both clocks is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-508 SystemTimingLossOfClockRedundancy**

Alarm	Attributes	Applicable major releases
Name: SystemTimingLossOfClockRedundancy (4570) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncSys (980)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing loss of clock redundancy - Clock A missing is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-509 SystemTimingMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: SystemTimingMisconfiguration (4873) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when System timing misprovisioning is detected.		
<b>Remedial action:</b> Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

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Alarm	Attributes	Applicable major releases
Name: TBbeMs15Min (3396) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_MS_15MIN (1225)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-511 TBbeMs1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeMs1Day (3397) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_MS_1DAY (1226)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-512 TBbeOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeOdu15Min (3398) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_15MIN (1227)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-513 TBbeOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeOdu1Day (3399) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_1DAY (1228)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-514 TBbeOtu15Min

Alarm	Attributes	Applicable major releases
Name: TBbeOtu15Min (3400) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_15MIN (1229)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-515 TBbeOtu1Day

Alarm	Attributes	Applicable major releases
Name: TBbeOtu1Day (3401) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_1DAY (1230)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-516 TBbeP15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeP15Min (3402) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_P_15MIN (1231)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-517 TBbeP1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeP1Day (3403) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_P_1DAY (1232)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Alarm	Attributes	Applicable major releases
Name: TBbePt15Min (3404) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_PT_15MIN (1233)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-519 TBbePt1Day**

Alarm	Attributes	Applicable major releases
Name: TBbePt1Day (3405) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_PT_1DAY (1234)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-520 TBbeRs15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeRs15Min (3406) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_15MIN (1235)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-521 TBbeRs1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeRs1Day (3407) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_1DAY (1236)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-522 TBbeRst15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeRst15Min (3408) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RST_15MIN (1237)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-523 TBbeRst1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeRst1Day (3409) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RST_1DAY (1238)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-524 TBbeTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeTcm15Min (4573) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_TCM_15MIN (1775)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-525 TBbeTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeTcm1Day (4574) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_TCM_1DAY (1776)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-526 TBERPostFec15Min**

Alarm	Attributes	Applicable major releases
Name: TBERPostFec15Min (3410) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPOSTFEC_15MIN (1239)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a postFEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-527 TBERPostFec1Day**

Alarm	Attributes	Applicable major releases
Name: TBERPostFec1Day (3411) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPOSTFEC_1DAY (1240)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a postFEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-528 TBerPreFec15Min**

Alarm	Attributes	Applicable major releases
Name: TBerPreFec15Min (3412) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPREFEC_15MIN (1241)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a preFEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-529 TBerPreFec1Day**

Alarm	Attributes	Applicable major releases
Name: TBerPreFec1Day (3413) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BERPREFEC_1DAY (1242)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a preFEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-530 TBIAESOt15Min**

Alarm	Attributes	Applicable major releases
Name: TBIAESOt15Min (3394) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_OTU_15MIN (1223)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BIAES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-531 TBIAESOt1Day**

Alarm	Attributes	Applicable major releases
Name: TBIAESOt1Day (3395) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_OTU_1DAY (1224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BIAES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-532 TBIAESTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TBIAESTcm15Min (4571) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_TCM_15MIN (1773)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BIAES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-533 TBIAESTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TBIAESTcm1Day (4572) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BIAES_TCM_1DAY (1774)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BIAES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-534 TCMAis

Alarm	Attributes	Applicable major releases
Name: TCMAis (5450) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TCMAis (2160)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when TCM-AIS .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-535 TcmBackwardDefectIndication

Alarm	Attributes	Applicable major releases
Name: TcmBackwardDefectIndication (4591) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BdiTcm (1793)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Backward Defect Indication - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-536 TcmLockedIndication**

Alarm	Attributes	Applicable major releases
Name: TcmLockedIndication (4592) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LckTcm (1794)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Locked - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-537 TcmLossofTandemConnection**

Alarm	Attributes	Applicable major releases
Name: TcmLossofTandemConnection (4593) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LtcTcm (1795)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Tandem Connection - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-538 TcmOpenConnectionIndication**

Alarm	Attributes	Applicable major releases
Name: TcmOpenConnectionIndication (4594) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OciTcm (1796)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Open Connection Indication - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-539 TcmServerSignalFailure**

Alarm	Attributes	Applicable major releases
Name: TcmServerSignalFailure (4595) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: SsfTcm (1797)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-540 TcmTrailTraceIdentifierMismatch**

Alarm	Attributes	Applicable major releases
Name: TcmTrailTraceIdentifierMismatch (4596) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TimTcm (1798)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trail Identifier Mismatch - TCM is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-541 TCv15Min**

Alarm	Attributes	Applicable major releases
Name: TCv15Min (3414) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_15MIN (1243)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-542 TCv1Day**

Alarm	Attributes	Applicable major releases
Name: TCv1Day (3415) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_1DAY (1244)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-543 TCvPcs15Min**

Alarm	Attributes	Applicable major releases
Name: TCvPcs15Min (3416) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCS_15MIN (1245)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-544 TCvPcs1Day**

Alarm	Attributes	Applicable major releases
Name: TCvPcs1Day (3417) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCS_1DAY (1246)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-545 TCvPcst15Min**

Alarm	Attributes	Applicable major releases
Name: TCvPcst15Min (3418) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCST_15MIN (1247)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-546 TCvPcst1Day**

Alarm	Attributes	Applicable major releases
Name: TCvPcst1Day (3419) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CV_PCST_1DAY (1248)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-547 TCvs15Min**

Alarm	Attributes	Applicable major releases
Name: TCvs15Min (3420) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVS_15MIN (1249)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-548 TCvs1Day**

Alarm	Attributes	Applicable major releases
Name: TCvs1Day (3421) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVS_1DAY (1250)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-549 TCvst15Min**

Alarm	Attributes	Applicable major releases
Name: TCvst15Min (3422) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVST_15MIN (1251)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-550 TCvst1Day**

Alarm	Attributes	Applicable major releases
Name: TCvst1Day (3423) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_CVST_1DAY (1252)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a CV-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-551 TEs15Min**

Alarm	Attributes	Applicable major releases
Name: TEs15Min (3424) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_15MIN (1253)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-552 TEs1Day**

Alarm	Attributes	Applicable major releases
Name: TEs1Day (3425) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_1DAY (1254)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-553 TEsL15Min**

Alarm	Attributes	Applicable major releases
Name: TEsL15Min (3426) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_L_15MIN (1255)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-L Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-554 TEsL1Day**

Alarm	Attributes	Applicable major releases
Name: TEsL1Day (3427) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_L_1DAY (1256)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-L Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-555 TEsMs15Min**

Alarm	Attributes	Applicable major releases
Name: TEsMs15Min (3428) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_MS_15MIN (1257)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-556 TEsMs1Day**

Alarm	Attributes	Applicable major releases
Name: TEsMs1Day (3429) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_MS_1DAY (1258)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-557 TEsOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TEsOdu15Min (3430) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_15MIN (1259)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-558 TEsOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TEsOdu1Day (3431) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_1DAY (1260)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-559 TEsOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TEsOtu15Min (3432) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_15MIN (1261)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-560 TEsOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TEsOtu1Day (3433) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_1DAY (1262)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-561 TEsP15Min**

Alarm	Attributes	Applicable major releases
Name: TEsP15Min (3434) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_P_15MIN (1263)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**3 — Alcatel-Lucent 1830 PSS (PSS-4, 16/32) alarms****Table 3-562 TEsP1Day**

Alarm	Attributes	Applicable major releases
Name: TEsP1Day (3435) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_P_1DAY (1264)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-563 TEsPcs15Min**

Alarm	Attributes	Applicable major releases
Name: TEsPcs15Min (3436) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCS_15MIN (1265)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-564 TEsPcs1Day**

Alarm	Attributes	Applicable major releases
Name: TEsPcs1Day (3437) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCS_1DAY (1266)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-565 TEsPcst15Min**

Alarm	Attributes	Applicable major releases
Name: TEsPcst15Min (3438) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCST_15MIN (1267)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-566 TEsPcst1Day**

Alarm	Attributes	Applicable major releases
Name: TEsPcst1Day (3439) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PCST_1DAY (1268)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-567 TEsPt15Min**

Alarm	Attributes	Applicable major releases
Name: TEsPt15Min (3440) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PT_15MIN (1269)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-568 TEsPt1Day**

Alarm	Attributes	Applicable major releases
Name: TEsPt1Day (3441) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_PT_1DAY (1270)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-569 TEsRs15Min**

Alarm	Attributes	Applicable major releases
Name: TEsRs15Min (3442) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_15MIN (1271)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-570 TEsRs1Day**

Alarm	Attributes	Applicable major releases
Name: TEsRs1Day (3443) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_1DAY (1272)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-571 TEsRst15Min**

Alarm	Attributes	Applicable major releases
Name: TEsRst15Min (3444) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RST_15MIN (1273)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-572 TEsRst1Day**

Alarm	Attributes	Applicable major releases
Name: TEsRst1Day (3445) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RST_1DAY (1274)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-573 TEss15Min**

Alarm	Attributes	Applicable major releases
Name: TEss15Min (3446) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESS_15MIN (1275)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-574 TEss1Day**

Alarm	Attributes	Applicable major releases
Name: TEss1Day (3447) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESS_1DAY (1276)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-575 TEsst15Min**

Alarm	Attributes	Applicable major releases
Name: TEsst15Min (3448) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESST_15MIN (1277)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-576 TEsst1Day**

Alarm	Attributes	Applicable major releases
Name: TEsst1Day (3449) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ESST_1DAY (1278)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-577 TEstcm15Min**

Alarm	Attributes	Applicable major releases
Name: TEstcm15Min (4575) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_TCM_15MIN (1777)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-578 TEstcm1Day**

Alarm	Attributes	Applicable major releases
Name: TEstcm1Day (4576) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_TCM_1DAY (1778)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-579 TestMode**

Alarm	Attributes	Applicable major releases
Name: TestMode (5591) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TestMode (2345)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when test mode.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-580 TEthpkter15Min**

Alarm	Attributes	Applicable major releases
Name: TEthpkter15Min (3450) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHERPKTER_15MIN (1279)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ETHPKTER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-581 TEthpkter1Day**

Alarm	Attributes	Applicable major releases
Name: TEthpkter1Day (3451) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHERPKTER_1DAY (1280)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ETHPKTER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-582 TEthpktert15Min**

Alarm	Attributes	Applicable major releases
Name: TEthpktert15Min (3452) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHPKTERT_15MIN (1281)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ETHPKTERT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-583 TEthpktert1Day**

Alarm	Attributes	Applicable major releases
Name: TEthpktert1Day (3453) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ETHPKTERT_1DAY (1282)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ETHPKTERT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-584 TFeBbeMs15Min

Alarm	Attributes	Applicable major releases
Name: TFeBbeMs15Min (3454) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_MS_15MIN (1283)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEBBE-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-585 TFeBbeMs1Day

Alarm	Attributes	Applicable major releases
Name: TFeBbeMs1Day (3455) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_MS_1DAY (1284)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEBBE-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-586 TFeBbeOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeBbeOdu15Min (3456) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_ODU_15MIN (1285)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-587 TFeBbeOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeBbeOdu1Day (3457) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_ODU_1DAY (1286)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-588 TFeBbeOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeBbeOtu15Min (3458) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_OTU_15MIN (1287)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-589 TFeBbeOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeBbeOtu1Day (3459) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_OTU_1DAY (1288)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-590 TFeBbeTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TFeBbeTcm15Min (4577) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_TCM_15MIN (1779)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-591 TFeBbeTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TFeBbeTcm1Day (4578) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEBBE_TCM_1DAY (1780)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-592 TFecc15Min**

Alarm	Attributes	Applicable major releases
Name: TFecc15Min (3480) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_15MIN (1309)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-593 TFecc1Day**

Alarm	Attributes	Applicable major releases
Name: TFecc1Day (3481) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_1DAY (1310)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-594 TFecUbc15Min

Alarm	Attributes	Applicable major releases
Name: TFecUbc15Min (4936) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBC_15MIN (1996)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECUBC Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-595 TFecUbc1Day

Alarm	Attributes	Applicable major releases
Name: TFecUbc1Day (4937) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBC_1DAY (1997)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECUBC Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-596 TFecUbu15Min**

Alarm	Attributes	Applicable major releases
Name: TFecUbu15Min (3478) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBU_15MIN (1307)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECUBC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-597 TFecUbu1Day**

Alarm	Attributes	Applicable major releases
Name: TFecUbu1Day (3479) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEC_UBU_1DAY (1308)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECUBC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-598 TFeEsMs15Min**

Alarm	Attributes	Applicable major releases
Name: TFeEsMs15Min (3460) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_MS_15MIN (1289)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-599 TFeEsMs1Day**

Alarm	Attributes	Applicable major releases
Name: TFeEsMs1Day (3461) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_MS_1DAY (1290)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-600 TFeEsOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeEsOdu15Min (3462) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_ODU_15MIN (1291)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-601 TFeEsOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeEsOdu1Day (3463) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_ODU_1DAY (1292)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-602 TFeEsOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeEsOtu15Min (3464) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_OTU_15MIN (1293)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-603 TFeEsOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeEsOtu1Day (3465) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_OTU_1DAY (1294)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-604 TFeEsTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TFeEsTcm15Min (4579) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_TCM_15MIN (1781)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-605 TFeEsTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TFeEsTcm1Day (4580) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEES_TCM_1DAY (1782)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-606 TFeSesMs15Min**

Alarm	Attributes	Applicable major releases
Name: TFeSesMs15Min (3466) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_MS_15MIN (1295)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FESES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-607 TFeSesMs1Day**

Alarm	Attributes	Applicable major releases
Name: TFeSesMs1Day (3467) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_MS_1DAY (1296)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FESES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-608 TFeSesOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeSesOdu15Min (3468) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_ODU_15MIN (1297)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-609 TFeSesOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeSesOdu1Day (3469) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_ODU_1DAY (1298)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-610 TFeSesOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeSesOtu15Min (3470) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_OTU_15MIN (1299)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-611 TFeSesOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeSesOtu1Day (3471) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_OTU_1DAY (1300)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-612 TFeSesTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TFeSesTcm15Min (4581) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_TCM_15MIN (1783)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-613 TFeSesTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TFeSesTcm1Day (4582) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FESES_TCM_1DAY (1784)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-614 TFeUasMs15Min**

Alarm	Attributes	Applicable major releases
Name: TFeUasMs15Min (3472) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_MS_15MIN (1301)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEUAS-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-615 TFeUasMs1Day**

Alarm	Attributes	Applicable major releases
Name: TFeUasMs1Day (3473) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_MS_1DAY (1302)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FEUAS-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-616 TFeUasOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeUasOdu15Min (3474) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_ODU_15MIN (1303)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-617 TFeUasOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeUasOdu1Day (3475) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_ODU_1DAY (1304)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-618 TFeUasOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TFeUasOtu15Min (3476) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_OTU_15MIN (1305)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-619 TFeUasOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TFeUasOtu1Day (3477) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_OTU_1DAY (1306)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FarEnd UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-620 TFeUasTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TFeUasTcm15Min (4583) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_TCM_15MIN (1785)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates an UAS-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-621 TFeUasTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TFeUasTcm1Day (4584) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FEUAS_TCM_1DAY (1786)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates an UAS-ODU-TCM FarEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-622 ThresholdCrossingAlarmCfmTwoWayDelayTest**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmCfmTwoWayDelayTest (4943) Type: thresholdCrossed (6) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Test attribute crosses a TCA threshold on this object.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS Troubleshooting guide for more details.		

**Table 3-623 ThresholdCrossingAlarmCfmTwoWaySlm**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmCfmTwoWaySlm (4944) Type: thresholdCrossed (6) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a test attribute crosses a TCA threshold on this object.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS Troubleshooting guide for more details.		

**Table 3-624 ThresholdCrossingAlarmSAP**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmSAP (4970) Type: thresholdCrossed (6) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP attribute crosses a TCA threshold.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

**Table 3-625 TIAESOtU15Min**

Alarm	Attributes	Applicable major releases
Name: TIAESOtU15Min (3482) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_OTU_15MIN (1311)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a IAES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-626 TIAESOt1Day**

Alarm	Attributes	Applicable major releases
Name: TIAESOt1Day (3483) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_OTU_1DAY (1312)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a IAES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-627 TIAESTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TIAESTcm15Min (4585) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_TCM_15MIN (1787)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a IAES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 3-628 TIAESTcm1Day

Alarm	Attributes	Applicable major releases
Name: TIAESTcm1Day (4586) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_IAES_TCM_1DAY (1788)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a IAES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-629 TimOduOut

Alarm	Attributes	Applicable major releases
Name: TimOduOut (4597) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TimOduOut (1799)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Trail Identifier Mismatch - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-630 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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**Table 3-631 ToDDEG**

Alarm	Attributes	Applicable major releases
Name: ToDDEG (3973) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: ToDDEG (1550)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when ToD degrade is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-632 ToDLOS**

Alarm	Attributes	Applicable major releases
Name: ToDLOS (3974) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: ToDLOS (1551)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-633 TODRefUnstable**

Alarm	Attributes	Applicable major releases
Name: TODRefUnstable (4957) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.PTPTOD	Severity: variable Implicitly cleared: true Default probable cause: TODRefUnstable (2012)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the current time reference is unstable.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-634 TopologyInvalid**

Alarm	Attributes	Applicable major releases
Name: TopologyInvalid (4874) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErrTopo (1938)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Invalid topology is detected.		
<b>Remedial action:</b> 1. Examine the cross-connects on the NE, and look for cross-connects that do not conform to the rules. These cross-connects are considered invalid. 2. Delete the invalid connections. Any service that is running over an invalid cross-connect that is deleted is interrupted. 3. Recreate valid cross-connects for the interrupted services.		

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**Table 3-635 TOprh15Min**

Alarm	Attributes	Applicable major releases
Name: TOprh15Min (3484) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_15MIN (1313)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-636 TOprh1Day**

Alarm	Attributes	Applicable major releases
Name: TOprh1Day (3485) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_1DAY (1314)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-637 TOprhLane1

Alarm	Attributes	Applicable major releases
Name: TOprhLane1 (5451) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_LANE_1 (2161) Applicable probable causes: <ul style="list-style-type: none"> <li>• T_OPRH_LANE_1</li> <li>• T_OPRH_LANE_2</li> <li>• T_OPRH_LANE_3</li> <li>• T_OPRH_LANE_4</li> <li>• T_OPRH_LANE_5</li> <li>• T_OPRH_LANE_6</li> <li>• T_OPRH_LANE_7</li> <li>• T_OPRH_LANE_8</li> <li>• T_OPRH_LANE_9</li> <li>• T_OPRH_LANE_10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Network Lane1 (RX) High Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-638 TOprl15Min

Alarm	Attributes	Applicable major releases
Name: TOprl15Min (3486) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_15MIN (1315)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-639 TOprl1Day**

Alarm	Attributes	Applicable major releases
Name: TOprl1Day (3487) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_1DAY (1316)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-640 TOprlLane1**

Alarm	Attributes	Applicable major releases
Name: TOprlLane1 (5452) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_LANE_1 (2171) Applicable probable causes: <ul style="list-style-type: none"> <li>• T_OPRL_LANE_1</li> <li>• T_OPRL_LANE_2</li> <li>• T_OPRL_LANE_3</li> <li>• T_OPRL_LANE_4</li> <li>• T_OPRL_LANE_5</li> <li>• T_OPRL_LANE_6</li> <li>• T_OPRL_LANE_7</li> <li>• T_OPRL_LANE_8</li> <li>• T_OPRL_LANE_9</li> <li>• T_OPRL_LANE_10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Network Lane1 (RX) Low Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-641 TOpt15Min**

Alarm	Attributes	Applicable major releases
Name: TOpt15Min (3488) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTH_15MIN (1317)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-642 TOpt1Day**

Alarm	Attributes	Applicable major releases
Name: TOpt1Day (3489) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTH_1DAY (1318)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-643 TOptLane1**

Alarm	Attributes	Applicable major releases
Name: TOptLane1 (5453) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTH_LANE_1 (2181) Applicable probable causes: <ul style="list-style-type: none"> <li>• T_OPTH_LANE_1</li> <li>• T_OPTH_LANE_2</li> <li>• T_OPTH_LANE_3</li> <li>• T_OPTH_LANE_4</li> <li>• T_OPTH_LANE_5</li> <li>• T_OPTH_LANE_6</li> <li>• T_OPTH_LANE_7</li> <li>• T_OPTH_LANE_8</li> <li>• T_OPTH_LANE_9</li> <li>• T_OPTH_LANE_10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Network Lane1 (TX) High Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-644 TOptl15Min**

Alarm	Attributes	Applicable major releases
Name: TOptl15Min (3490) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_15MIN (1319)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



Table 3-645 TOptl1Day

Alarm	Attributes	Applicable major releases
Name: TOptl1Day (3491) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_1DAY (1320)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-646 TOptlLane1

Alarm	Attributes	Applicable major releases
Name: TOptlLane1 (5454) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_LANE_1 (2191) Applicable probable causes: <ul style="list-style-type: none"> <li>• T_OPTL_LANE_1</li> <li>• T_OPTL_LANE_2</li> <li>• T_OPTL_LANE_3</li> <li>• T_OPTL_LANE_4</li> <li>• T_OPTL_LANE_5</li> <li>• T_OPTL_LANE_6</li> <li>• T_OPTL_LANE_7</li> <li>• T_OPTL_LANE_8</li> <li>• T_OPTL_LANE_9</li> <li>• T_OPTL_LANE_10</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Network Lane1 (TX) Low Threshold Crossing detection .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 3-647 TPmonDmaBfd15Min

Alarm	Attributes	Applicable major releases
Name: TPmonDmaBfd15Min (5511) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMABFD_15MIN (2242)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test aBfd PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-648 TPmonDmaBfd1Day

Alarm	Attributes	Applicable major releases
Name: TPmonDmaBfd1Day (5512) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMABFD_1DAY (2243)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test aBfd PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-649 TPmonDmaffd15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonDmaffd15Min (5515) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMAFFD_15MIN (2246)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test affd PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-650 TPmonDmaffd1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonDmaffd1Day (5516) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMAFFD_1DAY (2247)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test affd PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-651 TPmonDmafFdv15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonDmafFdv15Min (5513) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMAFFDV_15MIN (2244)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test affdv PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-652 TPmonDmafFdv1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonDmafFdv1Day (5514) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMAFFDV_1DAY (2245)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test affdv PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-653 TPmonDmanfd15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonDmanfd15Min (5519) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMANFD_15MIN (2250)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test and PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-654 TPmonDmanfd1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonDmanfd1Day (5520) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMANFD_1DAY (2251)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test and PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-655 TPmonDmanFdv15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonDmanFdv15Min (5517) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMANFDV_15MIN (2248)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test anFdv PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-656 TPmonDmanFdv1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonDmanFdv1Day (5518) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMANFDV_1DAY (2249)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test anFdv PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-657 TPmonDmxBfd15Min

Alarm	Attributes	Applicable major releases
Name: TPmonDmxBfd15Min (5521) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMxBFD_15MIN (2252)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xBfd PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-658 TPmonDmxBfd1Day

Alarm	Attributes	Applicable major releases
Name: TPmonDmxBfd1Day (5522) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMxBFD_1DAY (2253)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xBfd PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-659 TPmonDmxffd15Min

Alarm	Attributes	Applicable major releases
Name: TPmonDmxffd15Min (5525) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMXXFFD_15MIN (2256)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xffd PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-660 TPmonDmxffd1Day

Alarm	Attributes	Applicable major releases
Name: TPmonDmxffd1Day (5526) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMXXFFD_1DAY (2257)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xffd PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



Table 3-661 TPmonDmxFFdv15Min

Alarm	Attributes	Applicable major releases
Name: TPmonDmxFFdv15Min (5523) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMXXFFDV_15MIN (2254)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xFFdv PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-662 TPmonDmxFFdv1Day

Alarm	Attributes	Applicable major releases
Name: TPmonDmxFFdv1Day (5524) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMXXFFDV_1DAY (2255)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xFFdv PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-663 TPmonDmxnfd15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonDmxnfd15Min (5529) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMKNFD_15MIN (2260)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xnfD PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-664 TPmonDmxnfd1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonDmxnfd1Day (5530) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMKNFD_1DAY (2261)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xnfD PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-665 TPmonDmxnFdv15Min

Alarm	Attributes	Applicable major releases
Name: TPmonDmxnFdv15Min (5527) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMxNFdv_15MIN (2258)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xNFdv PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-666 TPmonDmxnFdv1Day

Alarm	Attributes	Applicable major releases
Name: TPmonDmxnFdv1Day (5528) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWayDelayTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_DMxNFdv_1DAY (2259)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the DM test xNFdv PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-667 TPmonLmafflr15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonLmafflr15Min (5531) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMAFFLR_15MIN (2262)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test afFIR PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-668 TPmonLmafflr1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonLmafflr1Day (5532) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMAFFLR_1DAY (2263)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test afFIR PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-669 TPmonLmanflr15Min

Alarm	Attributes	Applicable major releases
Name: TPmonLmanflr15Min (5533) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: warning Implicitly cleared: true Default probable cause: T_PMON_LMANFLR_15MIN (2264)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test anflr PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-670 TPmonLmanflr1Day

Alarm	Attributes	Applicable major releases
Name: TPmonLmanflr1Day (5534) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMANFLR_1DAY (2265)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test anflr PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-671 TPmonLmfhli15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonLmfhli15Min (5535) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMFHLI_15MIN (2266)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test fhli PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-672 TPmonLmfhli1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonLmfhli1Day (5536) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMFHLI_1DAY (2267)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test fhli PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-673 TPmonLmnhli15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonLmnhli15Min (5537) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMNHLI_15MIN (2268)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test nhli PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-674 TPmonLmnhli1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonLmnhli1Day (5538) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMNHLI_1DAY (2269)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test nhli PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-675 TPmonLmxfflr15Min

Alarm	Attributes	Applicable major releases
Name: TPmonLmxfflr15Min (5539) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMXFFLR_15MIN (2270)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test xFIR PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-676 TPmonLmxfflr1Day

Alarm	Attributes	Applicable major releases
Name: TPmonLmxfflr1Day (5540) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMXFFLR_1DAY (2271)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test xFIR PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-677 TPmonLmxnflr15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonLmxnflr15Min (5541) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMXNFLR_15MIN (2272)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test xnFlr PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-678 TPmonLmxnflr1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonLmxnflr1Day (5542) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmLMTTest	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_LMXNFLR_1DAY (2273)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the LM test xnFlr PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-679 TPmonPortHighCapacityOctets15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortHighCapacityOctets15Min (5455) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTHIGHCAPACITYOCTETS_15MIN (2201)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port HighCapacityOctets PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-680 TPmonPortHighCapacityOctets1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortHighCapacityOctets1Day (5456) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTHIGHCAPACITYOCTETS_1DAY (2202)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port HighCapacityOctets PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-681 TPmonPortHighCapacityPkts15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortHighCapacityPkts15Min (5457) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTHIGHCAPACITYPKTS_15MIN (2203)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port HighCapacityPkts PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-682 TPmonPortHighCapacityPkts1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortHighCapacityPkts1Day (5458) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTHIGHCAPACITYPKTS_1DAY (2204)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port HighCapacityPkts PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-683 TPmonPortIfInDiscards15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInDiscards15Min (5459) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINDISCARDS_15MIN (2205)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInDiscards PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-684 TPmonPortIfInDiscards1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInDiscards1Day (5460) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINDISCARDS_1DAY (2206)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInDiscards PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-685 TPmonPortIfInErrors15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInErrors15Min (5461) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINERRORS_15MIN (2207)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInErrors PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-686 TPmonPortIfInErrors1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInErrors1Day (5462) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINERRORS_1DAY (2208)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInErrors PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-687 TPmonPortIfInOctets15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInOctets15Min (5463) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINOCETS_15MIN (2209)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInOctets PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-688 TPmonPortIfInOctets1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInOctets1Day (5464) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINOCETS_1DAY (2210)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInOctets PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-689 TPmonPortIfInPackets15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInPackets15Min (5465) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINPACKETS_15MIN (2211)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInPackets PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-690 TPmonPortIfInPackets1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfInPackets1Day (5466) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFINPACKETS_1DAY (2212)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfInPackets PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-691 TPmonPortIfOutDiscards15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutDiscards15Min (5467) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTDISCARDS_15MIN (2213)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutDiscards PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-692 TPmonPortIfOutDiscards1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutDiscards1Day (5468) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTDISCARDS_1DAY (2214)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutDiscards PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



Table 3-693 TPmonPortIfOutErrors15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutErrors15Min (5469) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTERRORS_15MIN (2215)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutErrors PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-694 TPmonPortIfOutErrors1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutErrors1Day (5470) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTERRORS_1DAY (2216)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutErrors PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-695 TPmonPortIfOutOctets15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutOctets15Min (5471) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTOCTETS_15MIN (2217)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutOctets PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-696 TPmonPortIfOutOctets1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutOctets1Day (5472) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTOCTETS_1DAY (2218)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutOctets PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-697 TPmonPortIfOutPackets15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutPackets15Min (5473) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTPACKETS_15MIN (2219)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutPackets PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-698 TPmonPortIfOutPackets1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortIfOutPackets1Day (5474) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTIFOUTPACKETS_1DAY (2220)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port IfOutPackets PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-699 TPmonPortQueue1OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue1OctetsDropped15Min (5475) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE1OCTETSDROPPED_15MIN (2221)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 1 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-700 TPmonPortQueue1OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue1OctetsDropped1Day (5476) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE1OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 1 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-701 TPmonPortQueue1PktsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue1PktsDropped15Min (5477) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE1PKTSDROPPED_15MIN (2223)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 1 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-702 TPmonPortQueue1PktsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue1PktsDropped1Day (5478) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 1 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-703 TPmonPortQueue2OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue2OctetsDropped15Min (5479) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE2OCTETSDROPPED_15MIN (2225)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 2 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-704 TPmonPortQueue2OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue2OctetsDropped1Day (5480) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE2OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 2 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-705 TPmonPortQueue2PktsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue2PktsDropped15Min (5481) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE2PKTSDROPPED_15MIN (2226)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 2 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-706 TPmonPortQueue2PktsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue2PktsDropped1Day (5482) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 2 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-707 TPmonPortQueue3OctetsDropped15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue3OctetsDropped15Min (5483) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE3OCTETSDROPPED_15MIN (2227)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 3 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-708 TPmonPortQueue3OctetsDropped1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue3OctetsDropped1Day (5484) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE3OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 3 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-709 TPmonPortQueue3PktsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue3PktsDropped15Min (5485) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE3PKTSDROPPED_15MIN (2228)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 3 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-710 TPmonPortQueue3PktsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue3PktsDropped1Day (5486) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 3 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-711 TPmonPortQueue4OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue4OctetsDropped15Min (5487) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE4OCTETSDROPPED_15MIN (2229)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 4 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-712 TPmonPortQueue4OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue4OctetsDropped1Day (5488) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE4OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 4 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-713 TPmonPortQueue4PktsDropped15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue4PktsDropped15Min (5489) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE4PKTSDROPPED_15MIN (2230)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 4 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-714 TPmonPortQueue4PktsDropped1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue4PktsDropped1Day (5490) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 4 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-715 TPmonPortQueue5OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue5OctetsDropped15Min (5491) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE5OCTETSDROPPED_15MIN (2231)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 5 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-716 TPmonPortQueue5OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue5OctetsDropped1Day (5492) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE5OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 5 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-717 TPmonPortQueue5PktsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue5PktsDropped15Min (5493) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE5PKTSDROPPED_15MIN (2232)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 5 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-718 TPmonPortQueue5PktsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue5PktsDropped1Day (5494) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 5 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-719 TPmonPortQueue6OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue6OctetsDropped15Min (5495) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE6OCTETSDROPPED_15MIN (2233)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 6 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-720 TPmonPortQueue6OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue6OctetsDropped1Day (5496) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE6OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 6 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-721 TPmonPortQueue6PktsDropped15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue6PktsDropped15Min (5497) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE6PKTSDROPPED_15MIN (2234)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 6 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-722 TPmonPortQueue6PktsDropped1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue6PktsDropped1Day (5498) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE6PKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 6 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-723 TPmonPortQueue7OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue7OctetsDropped15Min (5499) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE7OCTETSDROPPED_15MIN (2235)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 7 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-724 TPmonPortQueue7OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue7OctetsDropped1Day (5500) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE7OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 7 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-725 TPmonPortQueue7PktsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue7PktsDropped15Min (5501) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE7PKTSDROPPED_15MIN (2236)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 7 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-726 TPmonPortQueue7PktsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue7PktsDropped1Day (5502) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUEPKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 7 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-727 TPmonPortQueue8OctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue8OctetsDropped15Min (5503) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE8OCTETSDROPPED_15MIN (2237)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 8 Octets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-728 TPmonPortQueue8OctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue8OctetsDropped1Day (5504) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE8OCTETSDROPPED_1DAY (2222)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 8 Octets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-729 TPmonPortQueue8PktsDropped15Min

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue8PktsDropped15Min (5505) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE8PKTSDROPPED_15MIN (2238)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 8 Packets dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-730 TPmonPortQueue8PktsDropped1Day

Alarm	Attributes	Applicable major releases
Name: TPmonPortQueue8PktsDropped1Day (5506) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_PORTQUEUE8PKTSDROPPED_1DAY (2224)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the Port Queue 8 Packets dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-731 TPmonSapIngressOctetsDropped15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonSapIngressOctetsDropped15Min (5598) Type: qualityOfServiceAlarm (82) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SAPINGRESSOCTETSDROPPED_15MIN (2350)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the SAP Ingress Octets Dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-732 TPmonSapIngressOctetsDropped1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonSapIngressOctetsDropped1Day (5599) Type: qualityOfServiceAlarm (82) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SAPINGRESSOCTETSDROPPED_1DAY (2351)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the SAP Ingress Octets Dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-733 TPmonSapIngressPktsDropped15Min

Alarm	Attributes	Applicable major releases
Name: TPmonSapIngressPktsDropped15Min (5600) Type: qualityOfServiceAlarm (82) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SAPINGRESSPKTSDROPPED_15MIN (2352)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the SAP Ingress Packets Dropped PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-734 TPmonSapIngressPktsDropped1Day

Alarm	Attributes	Applicable major releases
Name: TPmonSapIngressPktsDropped1Day (5601) Type: qualityOfServiceAlarm (82) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SAPINGRESSPKTSDROPPED_1DAY (2353)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Threshold Crossing Alert has been detected for the SAP Ingress Packets Dropped PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-735 TPmonSlmafflr15Min

Alarm	Attributes	Applicable major releases
Name: TPmonSlmafflr15Min (5544) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMAFFLR_15MIN (2275)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test afflr PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-736 TPmonSlmafF1r1Day

Alarm	Attributes	Applicable major releases
Name: TPmonSlmafF1r1Day (5543) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMAFFLR_1DAY (2274)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test afF1r PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-737 TPmonSlmafflrContinuous**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmafflrContinuous (5545) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMAFFLR_CONTINUOUS (2276)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test afflr PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-738 TPmonSlmanflr15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmanflr15Min (5547) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMANFLR_15MIN (2278)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test anflr PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-739 TPmonSlmanFlr1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmanFlr1Day (5546) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMANFLR_1DAY (2277)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test anFlr PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-740 TPmonSlmanflrContinuous**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmanflrContinuous (5548) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMANFLR_CONTINUOUS (2279)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test anflr PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-741 TPmonSlmfhli15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmfhli15Min (5549) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMFHLI_15MIN (2280)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test fhli PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-742 TPmonSlmfhli1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmfhli1Day (5550) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMFHLI_1DAY (2281)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test fhli PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-743 TPmonSlmfhliContinuous**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmfhliContinuous (5551) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMFHLI_CONTINUOUS (2282)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test fhli PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-744 TPmonSlmnhli15Min**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmnhli15Min (5552) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMNHLI_15MIN (2283)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test nhli PMON parameter for the 15Min interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-745 TPmonSlmnhli1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmnhli1Day (5553) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMNHLI_1DAY (2284)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test nhli PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-746 TPmonSlmnhliContinuous**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmnhliContinuous (5554) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMNHLI_CONTINUOUS (2285)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test nhli PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-747 TPmonSlmxflr1Day

Alarm	Attributes	Applicable major releases
Name: TPmonSlmxflr1Day (5555) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMXFFLR_1DAY (2286)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test xflr PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-748 TPmonSlmxfflrContinuous

Alarm	Attributes	Applicable major releases
Name: TPmonSlmxfflrContinuous (5556) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMXFFLR_CONTINUOUS (2287)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test xflr PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-749 TPmonSlmxnFlr1Day**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmxnFlr1Day (5557) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMXNFLR_1DAY (2288)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test xnFlr PMON parameter for the 1Day interval.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-750 TPmonSlmxnflrContinuous**

Alarm	Attributes	Applicable major releases
Name: TPmonSlmxnflrContinuous (5558) Type: qualityOfServiceAlarm (82) Package: ethernetToam Raised on class: ethernetToam.CfmTwoWaySlm	Severity: variable Implicitly cleared: true Default probable cause: T_PMON_SLMXNFLR_CONTINUOUS (2289)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a Threshold Crossing Alert has been detected for the SLM test nFlr PMON parameter - continuous.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-751 TPostfec15Min**

Alarm	Attributes	Applicable major releases
Name: TPostfec15Min (3492) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_POSTFEC_15MIN (1321)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Post-FEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-752 TPostfec1Day**

Alarm	Attributes	Applicable major releases
Name: TPostfec1Day (3493) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_POSTFEC_1DAY (1322)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Post-FEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-753 TPrefec15Min**

Alarm	Attributes	Applicable major releases
Name: TPrefec15Min (3494) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PREFEC_15MIN (1323)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Pre-FEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-754 TPrefec1Day**

Alarm	Attributes	Applicable major releases
Name: TPrefec1Day (3495) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_PREFEC_1DAY (1324)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a Pre-FEC BER Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 3-755 TrailTracIdentifierMismatch

Alarm	Attributes	Applicable major releases
Name: TrailTracIdentifierMismatch (4598) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Tim (1074) Applicable probable causes: <ul style="list-style-type: none"> <li>Tim</li> <li>TimOdu</li> <li>TrailTracIdentifierMismatchEgress</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trail Identifier Mismatch - OTU is detected.		
<b>Remedial action:</b> This alarm is raised when the incoming optical channel trail trace message does not match the expected incoming optical channel trail trace message. Refer TIMODU (Trace Identifier Mismatch - ODU) in 1830 PSS Troubleshooting guide for detailed corrective procedure.		

Table 3-756 TrailTracIdentifierMismatchEgress

Alarm	Attributes	Applicable major releases
Name: TrailTracIdentifierMismatchEgress (4940) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TrailTracIdentifierMismatchEgress (1801)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trail Identifier Mismatch Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-757 TransferLogFL**

Alarm	Attributes	Applicable major releases
Name: TransferLogFL (4875) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogFL (1939)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when transfer log Failtemp file read or create fail is detected.		
<b>Remedial action:</b> 1.Retry transfer again. 2. If problem persists, contact next level of technical support for assistance.		

**Table 3-758 TransferLogFT**

Alarm	Attributes	Applicable major releases
Name: TransferLogFT (4876) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogFT (1940)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when transfer log fail is detected.		
<b>Remedial action:</b> 1.Retry transfer again. 2. If problem persists, contact next level of technical support for assistance.		

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**Table 3-759 TransferLogIP**

Alarm	Attributes	Applicable major releases
Name: TransferLogIP (4877) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: TransferLogIP (1941)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when transfer log in progress is detected.		
<b>Remedial action:</b> No corrective action is required. The alarm clears automatically when the log file transfer has completed successfully or failed.		

**Table 3-760 TransmitLaserOffRxFaultDuringLineLoopback**

Alarm	Attributes	Applicable major releases
Name: TransmitLaserOffRxFaultDuringLineLoopback (2107) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LaserOffLpbk (1082)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Transmit laser off - rx fault during line loopback is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 3-761 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 3-762 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 3-763 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 3-764 TrmtMOD

Alarm	Attributes	Applicable major releases
Name: TrmtMOD (3546) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TrmtMOD (1376)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Pluggable Module transmit failure is detected.		
<b>Remedial action:</b> This alarm is raised at the pluggable module equipment and indicates a fault on the transmit port of the pluggable module. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Perform a warm reset of the card. 2. Remove the pluggable module from the port on the card it is inserted in. Examine the connector on the pluggable module and the receptacle connector on the card where the pluggable module plugs into for any damage. If no damage is seen, reinsert the pluggable module into its port. 3. Remove and replace the pluggable module with another unit of the same type. 4. Perform a cold reset of the card. 5. Reseat the card. 6. Replace the card. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-765 TRUBRKROPEN

Alarm	Attributes	Applicable major releases
Name: TRUBRKROPEN (4938) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TRUBRKROPEN (1998)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Open circuit breaker .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-766 TRUSVCVOLTFLT**

Alarm	Attributes	Applicable major releases
Name: TRUSVCVOLTFLT (4939) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TRUSVCVOLTFLT (1999)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Bad Service Voltage on OneTRU Alarm Board .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-767 TSefs15Min**

Alarm	Attributes	Applicable major releases
Name: TSefs15Min (3496) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_15MIN (1325)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-768 TSefs1Day

Alarm	Attributes	Applicable major releases
Name: TSefs1Day (3497) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_1DAY (1326)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 3-769 TSefsPcs15Min

Alarm	Attributes	Applicable major releases
Name: TSefsPcs15Min (3498) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCS_15MIN (1327)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-770 TSefsPcs1Day**

Alarm	Attributes	Applicable major releases
Name: TSefsPcs1Day (3499) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCS_1DAY (1328)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-771 TSefsPcst15Min**

Alarm	Attributes	Applicable major releases
Name: TSefsPcst15Min (3500) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCST_15MIN (1329)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-772 TSefsPcst1Day**

Alarm	Attributes	Applicable major releases
Name: TSefsPcst1Day (3501) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFS_PCST_1DAY (1330)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-773 TSefss15Min**

Alarm	Attributes	Applicable major releases
Name: TSefss15Min (3502) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSS_15MIN (1331)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-774 Tsefss1Day**

Alarm	Attributes	Applicable major releases
Name: Tsefss1Day (3503) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSS_1DAY (1332)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-775 Tsefsst15Min**

Alarm	Attributes	Applicable major releases
Name: Tsefsst15Min (3504) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSST_15MIN (1333)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-776 TSefsst1Day**

Alarm	Attributes	Applicable major releases
Name: TSefsst1Day (3505) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSST_1DAY (1334)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SEFS-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-777 TSes15Min**

Alarm	Attributes	Applicable major releases
Name: TSes15Min (3506) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_15MIN (1335)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-778 TSes1Day**

Alarm	Attributes	Applicable major releases
Name: TSes1Day (3507) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_1DAY (1336)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-779 TSesL15Min**

Alarm	Attributes	Applicable major releases
Name: TSesL15Min (3508) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_L_15MIN (1337)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-L Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-780 TSesL1Day**

Alarm	Attributes	Applicable major releases
Name: TSesL1Day (3509) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_L_1DAY (1338)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-L Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-781 TSesMs15Min**

Alarm	Attributes	Applicable major releases
Name: TSesMs15Min (3510) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_MS_15MIN (1339)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-782 TSesMs1Day**

Alarm	Attributes	Applicable major releases
Name: TSesMs1Day (3511) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_MS_1DAY (1340)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-783 TSesOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TSesOdu15Min (3512) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_15MIN (1341)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-784 TSesOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TSesOdu1Day (3513) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_1DAY (1342)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-785 TSesOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TSesOtu15Min (3514) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_15MIN (1343)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-786 TSesOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TSesOtu1Day (3515) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_1DAY (1344)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-787 TSesP15Min**

Alarm	Attributes	Applicable major releases
Name: TSesP15Min (3516) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_P_15MIN (1345)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-788 TSesP1Day**

Alarm	Attributes	Applicable major releases
Name: TSesP1Day (3517) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_P_1DAY (1346)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-789 TSesPcs15Min**

Alarm	Attributes	Applicable major releases
Name: TSesPcs15Min (3518) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCS_15MIN (1347)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-790 TSesPcs1Day**

Alarm	Attributes	Applicable major releases
Name: TSesPcs1Day (3519) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCS_1DAY (1348)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-791 TSesPcst15Min**

Alarm	Attributes	Applicable major releases
Name: TSesPcst15Min (3520) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCST_15MIN (1349)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-792 TSesPcst1Day**

Alarm	Attributes	Applicable major releases
Name: TSesPcst1Day (3521) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PCST_1DAY (1350)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PCS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-793 TSesPt15Min**

Alarm	Attributes	Applicable major releases
Name: TSesPt15Min (3522) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PT_15MIN (1351)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-794 TSesPt1Day**

Alarm	Attributes	Applicable major releases
Name: TSesPt1Day (3523) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_PT_1DAY (1352)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-795 TSesRs15Min**

Alarm	Attributes	Applicable major releases
Name: TSesRs15Min (3524) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_15MIN (1353)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-796 TSesRs1Day**

Alarm	Attributes	Applicable major releases
Name: TSesRs1Day (3525) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_1DAY (1354)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-797 TSesRst15Min**

Alarm	Attributes	Applicable major releases
Name: TSesRst15Min (3526) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RST_15MIN (1355)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-798 TSesRst1Day**

Alarm	Attributes	Applicable major releases
Name: TSesRst1Day (3527) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RST_1DAY (1356)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-799 TSess15Min**

Alarm	Attributes	Applicable major releases
Name: TSess15Min (3528) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESS_15MIN (1357)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-800 TSess1Day**

Alarm	Attributes	Applicable major releases
Name: TSess1Day (3529) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESS_1DAY (1358)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-801 TSesst15Min**

Alarm	Attributes	Applicable major releases
Name: TSesst15Min (3530) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESST_15MIN (1359)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-802 TSesst1Day**

Alarm	Attributes	Applicable major releases
Name: TSesst1Day (3531) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SESST_1DAY (1360)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-S Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-803 TSesTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TSesTcm15Min (4587) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_TCM_15MIN (1789)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 3-804 TSesTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TSesTcm1Day (4588) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_TCM_1DAY (1790)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-805 TsMismatch**

Alarm	Attributes	Applicable major releases
Name: TsMismatch (4599) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TsMismatch (1802)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Time Slot Assignment Mismatch is detected.		
<b>Remedial action:</b> 1 Check that the Client port on the Far End and Near End both have the same time slots. For CLI config interface cardname sh/si/pt signal_rate timeslot For WEBUI On the Far End NE, Select the slot and client port of the card. Click the Time Slot tab. Select/de-select the appropriate time slots to match those selected on the Near End NE, and click Submit.		

**Table 3-806 TsMismatchOut**

Alarm	Attributes	Applicable major releases
Name: TsMismatchOut (4600) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: TsMismatchOut (1803)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Time Slot Assignment Mismatch OUT is detected.		
<b>Remedial action:</b> 1 Check that the Client port on the Far End and Near End both have the same time slots. For CLI config interface cardname sh/si/pt signal_rate timeslot For WEBUI On the Far End NE, Select the slot and client port of the card. Click the Time Slot tab. Select/de-select the appropriate time slots to match those selected on the Near End NE, and click Submit.		

**Table 3-807 TUasMs15Min**

Alarm	Attributes	Applicable major releases
Name: TUasMs15Min (3532) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_MS_15MIN (1361)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-808 TUasMs1Day**

Alarm	Attributes	Applicable major releases
Name: TUasMs1Day (3533) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_MS_1DAY (1362)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-MS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-809 TUasOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TUasOdu15Min (3534) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_15MIN (1363)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-810 TUasOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TUasOdu1Day (3535) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_1DAY (1364)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-811 TUasOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TUasOtu15Min (3536) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_15MIN (1365)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-812 TUasOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TUasOtu1Day (3537) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_1DAY (1366)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-813 TUasP15Min**

Alarm	Attributes	Applicable major releases
Name: TUasP15Min (3538) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_P_15MIN (1367)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-814 TUasP1Day**

Alarm	Attributes	Applicable major releases
Name: TUasP1Day (3539) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_P_1DAY (1368)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-P Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-815 TUasPt15Min**

Alarm	Attributes	Applicable major releases
Name: TUasPt15Min (3540) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_PT_15MIN (1369)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-816 TUasPt1Day**

Alarm	Attributes	Applicable major releases
Name: TUasPt1Day (3541) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_PT_1DAY (1370)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-PT Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-817 TUasRs15Min**

Alarm	Attributes	Applicable major releases
Name: TUasRs15Min (3542) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_15MIN (1371)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 3-818 TUasRs1Day**

Alarm	Attributes	Applicable major releases
Name: TUasRs1Day (3543) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_1DAY (1372)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-819 TUasRst15Min**

Alarm	Attributes	Applicable major releases
Name: TUasRst15Min (3544) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RST_15MIN (1373)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 3-820 TUasRst1Day**

Alarm	Attributes	Applicable major releases
Name: TUasRst1Day (3545) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RST_1DAY (1374)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 3-821 TUasTcm15Min**

Alarm	Attributes	Applicable major releases
Name: TUasTcm15Min (4589) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_TCM_15MIN (1791)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates an UAS-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 3-822 TUasTcm1Day**

Alarm	Attributes	Applicable major releases
Name: TUasTcm1Day (4590) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_TCM_1DAY (1792)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates an UAS-ODU-TCM NearEnd Threshold Crossing detection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-823 TunableLaserNotProvisioned**

Alarm	Attributes	Applicable major releases
Name: TunableLaserNotProvisioned (2108) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PrcdrErr (1083)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Tunable laser not provisioned is detected.		
<b>Remedial action:</b> Please refer section PRCDRERR in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-824 UnexpectedWaveKey

Alarm	Attributes	Applicable major releases
Name: UnexpectedWaveKey (4601) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchUnknown (1084) Applicable probable causes: <ul style="list-style-type: none"> <li>• OchUnknown</li> <li>• OchUnknownOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel unexpected is detected.		
<b>Remedial action:</b> Please refer OCHUNKNOWN (Channel Unexpected) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 3-825 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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**Table 3-826 UnitNotInserted**

Alarm	Attributes	Applicable major releases
Name: UnitNotInserted (4966) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfUNI (2021)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the unit is not inserted in a RMD device of type cEDD. Applicable to customer ports only.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-827 UnknownWaveKeyForConnection**

Alarm	Attributes	Applicable major releases
Name: UnknownWaveKeyForConnection (4602) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchTrailUnknown (1805)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Unknown OCH Trail for x-connect is detected.		
<b>Remedial action:</b> Please refer section OCHTRAILUNKNOWN (Unknown OCH Trail for x-connect) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 3-828 UNL**

Alarm	Attributes	Applicable major releases
Name: UNL (3975) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNL (1552)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a first CCM frame is received with incorrect MEG level.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a first CCM frame with an incorrect MEG level.		

**Table 3-829 UNM**

Alarm	Attributes	Applicable major releases
Name: UNM (3976) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNM (1553)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with a correct MEG level or MEG ID, but unexpected MEP ID which includes the MEP's own MEP ID.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an unexpected MEP ID.		

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**Table 3-830 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 3-831 UnMOrUnP**

Alarm	Attributes	Applicable major releases
Name: UnMOrUnP (3737) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UnMOrUnP (1475)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Unexpected MEP id or periodicity is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-832 UNP**

Alarm	Attributes	Applicable major releases
Name: UNP (3977) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNP (1554)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with a correct MEG level, a correct MEG ID, or a correct MEP ID, but with period field value different than MEP's own CCM transmission period.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with period field value different than the MEP's own CCM transmission period.		

**Table 3-833 UNPr**

Alarm	Attributes	Applicable major releases
Name: UNPr (3978) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: UNPr (1555)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with a correct MEG level, a correct MEG ID, or a correct MEP ID, but with priority field value different than MEP's own CCM transmission priority.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with priority field value different than the MEP's own CCM transmission priority.		

**Table 3-834 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 3-835 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		



**Table 3-836 UruOchLos**

Alarm	Attributes	Applicable major releases
Name: UruOchLos (3547) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOchLos (1377)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - OCH-LOS is detected.		
<b>Remedial action:</b> Perform corrective action as described in LOS - Loss of Signal		

**Table 3-837 UruOmsRx**

Alarm	Attributes	Applicable major releases
Name: UruOmsRx (3548) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOmsRx (1378)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - OMS-RX is detected.		
<b>Remedial action:</b> This alarm indicates that there is an active LOSCWSIG alarm at the Sig In port of an CWR8, CWR8-88 or WR8-88 card. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

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**Table 3-838 UruOmsTx**

Alarm	Attributes	Applicable major releases
Name: UruOmsTx (3920) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOmsTx (1504)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - OMS-TX is detected.		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 3-839 UruOtsLos**

Alarm	Attributes	Applicable major releases
Name: UruOtsLos (3549) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsLos (1379)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying Resource unavailable - OTS-LOS is detected.		
<b>Remedial action:</b> For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-840 UruOtsRx

Alarm	Attributes	Applicable major releases
Name: UruOtsRx (3550) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsRx (1380)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - OTS-RX is detected.		
<b>Remedial action:</b> Please follow the below steps to clear this alarm: 1. Retrieve the list of current alarms and conditions on the network element. 2. Perform corrective action as described in the appropriate LOS alarm trouble-clearing procedure at the alarmed port other than the network facing LINE/LINEIN port.		

Table 3-841 UruOtsTx

Alarm	Attributes	Applicable major releases
Name: UruOtsTx (3551) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtsTx (1381)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - OTS-TX is detected.		
<b>Remedial action:</b> Please follow the below steps to clear this alarm: 1. Retrieve the list of current alarms and conditions on the network element. 2. Perform corrective action as described in the appropriate LOS alarm trouble-clearing procedure at the alarmed port other than the network facing LINE/LINEIN port.		

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Alarm	Attributes	Applicable major releases
Name: UruOtu (3552) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UruOtu (1382)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - port is detected.		
<b>Remedial action:</b> Perform corrective action as described in LOS - Loss of Signal at the LINE/LINEIN port.		

**Table 3-843 UruS**

Alarm	Attributes	Applicable major releases
Name: UruS (3553) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: UruS (1383)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Underlying resource unavailable - card is detected.		
<b>Remedial action:</b> This alarm indicates that an I/O card or server card has failed, and as a result one or more OTU port are affected. Please follow the below steps to clear this alarm: 1. According to your needs, a. delete(deprovision) the I/O card. b. insert the correct I/O card into the slot. c. replace the respective failed I/O card. 2. Refresh the list of current alarms, if the alarm persist contact next level of technical support for assistance.		

**Table 3-844 UserEqptMismatch**

Alarm	Attributes	Applicable major releases
Name: UserEqptMismatch (4603) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: UserEqptMismatch (1806)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when User equipment configuration mismatch is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-845 UserPayloadMismatch**

Alarm	Attributes	Applicable major releases
Name: UserPayloadMismatch (4604) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Upm (1807)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when GFP User Payload Mismatch is detected.		
<b>Remedial action:</b> 1 Locate the OT with the UPM defect. Verify the encapsulation mode value. 2 Locate the OT at the opposite end of the link. Ensure that the provisioning for the encapsulation mode parameter is the same for each OT.		

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**Table 3-846 UserPayloadMismatchOut**

Alarm	Attributes	Applicable major releases
Name: UserPayloadMismatchOut (5507) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpUpm (1985) Applicable probable causes: <ul style="list-style-type: none"> <li>GfpUpm</li> <li>GFPUPM</li> </ul>	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing GFP User Payload Mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-847 VcatLossOfAlignment**

Alarm	Attributes	Applicable major releases
Name: VcatLossOfAlignment (4605) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VcgLoa (1808)	<ul style="list-style-type: none"> <li>2.3</li> <li>2.5</li> <li>3.0</li> <li>3.5</li> <li>3.6</li> <li>5.0</li> <li>5.1</li> <li>5.5</li> <li>6.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when VCG Loss of alignment is detected.		
<b>Remedial action:</b> This alarm indicates that a loss of alignment has occurred in the virtual concatenation. Please follow the below steps to clear this alarm: 1. Verify the end-to-end path of the 11STMM10 circuit to ensure that the card reporting the alarm is connected to a 11STMM10 on the far end. A possible cause of this alarm is if the card is connected to another valid OC-48 signal generated by a test set or SONET interface, but which does not include two GFP encapsulated 1 GbE signals. Perform a warm card reset of the 11STMM10 reporting the alarm. 2. Perform a warm reset of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 3. Perform a cold reset of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 4. Reset the card of the far end 11STMM10 that is connected to the 11STMM10 reporting the alarm. 5. Replace the 11STMM10 reporting the alarm. For Detailed steps Please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

Table 3-848 VcgServerSignalFailure

Alarm	Attributes	Applicable major releases
Name: VcgServerSignalFailure (4606) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VcgSsf (1809)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when VCG Server Signal Failure is detected.		
<b>Remedial action:</b> This alarm indicates that the OT has detected a VCG Server Signal Failure. This rare condition is raised when the time slots are incorrect. To clear this alarm, verify that the time slot information on the 11STMM10 line port and ODU1 are correctly provisioned on each end of the optical link. If not, use the following CLI commands to ensure timeslots are provisioned the same: Config interface 11STMM10 shelf slot/C{1-10} 1gbe timeslot line 1-4 Config interface 11stmm10 shelf slot/C{1-10} 1gbe timeslot vts 0 or 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43,46		

Table 3-849 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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**Table 3-850 VoltageHigh**

Alarm	Attributes	Applicable major releases
Name: VoltageHigh (3554) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: VoltageHigh (1384)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when High Input Voltage Defect is detected.		
<b>Remedial action:</b> 1. Using a DC voltmeter, measure the power going to the shelf and verify that it is within the accepted limits for proper operation (-48 to -52 volts). 2. Perform a warm reset on the Equipment Controller that is raising the PWR condition. 3. Perform a cold reset on the Equipment Controller that is raising the PWR condition. 4. Reseat the Equipment Controller that is raising the PWR condition. 5. Replace the Equipment Controller that is raising the PWR condition. Follow the return and repair process to return the card to an authorized repair center for replacement.		

**Table 3-851 VoltageLow**

Alarm	Attributes	Applicable major releases
Name: VoltageLow (3555) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: VoltageLow (1385)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when VBatt magnitude below nominal range is detected.		
<b>Remedial action:</b> 1. Check the breakers for the alarmed shelf and verify that they are ON. 2. Using a DC voltmeter, measure the power going to the shelf and verify that it is within the accepted limits for proper operation (-48 to -52 volts). 3. Perform a warm reset on the Equipment Controller that is raising the PWR condition. 4. Perform a cold reset on the Equipment Controller that is raising the PWR condition. 5. Reseat the Equipment Controller that is raising the PWR condition. 6. Replace the Equipment Controller that is raising the PWR condition. Follow the return and repair process to return the card to an authorized repair center for replacement		



Table 3-852 VtsForwardDefectIndication

Alarm	Attributes	Applicable major releases
Name: VtsForwardDefectIndication (4607) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VTSFDI1 (1810) Applicable probable causes: <ul style="list-style-type: none"> <li>• VTSFDI1</li> <li>• VTSFDI2</li> <li>• VTSFDI3</li> <li>• VTSFDI4</li> <li>• VTSFDI5</li> <li>• VTSFDI6</li> <li>• VTSFDI7</li> <li>• VTSFDI8</li> <li>• VTSFDI9</li> <li>• VTSFDI10</li> <li>• VTSFDI11</li> <li>• VTSFDI12</li> <li>• VTSFDI13</li> <li>• VTSFDI14</li> <li>• VTSFDI15</li> <li>• VTSFDI16</li> <li>• VTSFDI17</li> <li>• VTSFDI18</li> <li>• VTSFDI19</li> <li>• VTSFDI20</li> <li>• VTSFDI21</li> <li>• VTSFDI22</li> <li>• VTSFDI23</li> <li>• VTSFDI24</li> <li>• VTSFDI25</li> <li>• VTSFDI26</li> <li>• VTSFDI27</li> <li>• VTSFDI28</li> <li>• VTSFDI29</li> <li>• VTSFDI30</li> <li>• VTSFDI31</li> <li>• VTSFDI32</li> <li>• VTSFDI</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when VTS Forward Defect Indication is detected.		
<b>Remedial action:</b> This alarm is raised when a problem has occurred upstream that causes an APS/PCC failure indication on the Virtual Time Slot[n] received by the 11DPE12/11DPE12E. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Check the alarms/conditions along the OCh trail. 2. Identify the farthest upstream alarm/condition relative to the far end OTU2 port or client GBE port. 3. Check the OTU2 line port and client GBE port. 4. Follow the procedure for clearing identified alarm condition.		

**Table 3-853 VtsOpenConnectionIndication**

Alarm	Attributes	Applicable major releases
Name: VtsOpenConnectionIndication (4608) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: VTSOCI1 (1843) Applicable probable causes: <ul style="list-style-type: none"> <li>• VTSOCI1</li> <li>• VTSOCI2</li> <li>• VTSOCI3</li> <li>• VTSOCI4</li> <li>• VTSOCI5</li> <li>• VTSOCI6</li> <li>• VTSOCI7</li> <li>• VTSOCI8</li> <li>• VTSOCI9</li> <li>• VTSOCI10</li> <li>• VTSOCI11</li> <li>• VTSOCI12</li> <li>• VTSOCI13</li> <li>• VTSOCI14</li> <li>• VTSOCI15</li> <li>• VTSOCI16</li> <li>• VTSOCI17</li> <li>• VTSOCI18</li> <li>• VTSOCI19</li> <li>• VTSOCI20</li> <li>• VTSOCI21</li> <li>• VTSOCI22</li> <li>• VTSOCI23</li> <li>• VTSOCI24</li> <li>• VTSOCI25</li> <li>• VTSOCI26</li> <li>• VTSOCI27</li> <li>• VTSOCI28</li> <li>• VTSOCI29</li> <li>• VTSOCI30</li> <li>• VTSOCI31</li> <li>• VTSOCI32</li> <li>• VTSOCI</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when VTS Open Connection Indication is detected.		
<b>Remedial action:</b> This alarm is raised when the downstream 11DPE12/11DPE12E OT receives an APS/PCC message indicating an OCI from the upstream OT. This alarm is raised at the downstream OT on the Virtual Time Slot[n] which has an established connection. To clear this alarm, check the upstream 11DPE12/11DPE12E OT for any alarms/conditions on any VTS[n] with electrical connections. This will cause the OT to send an OCI message for the relevant VTS[n] to the downstream OT. An electrical connection is a provisioned connection from the VTS[n] to a GbE client port or another line VTS. If such an alarm is present, go to the procedure for clearing OCI alarms to clear the VTSOCI alarm at the downstream 11DPE12/11DPE12E OT.		

**Table 3-854 WaveKeyInsertionFailure**

Alarm	Attributes	Applicable major releases
Name: WaveKeyInsertionFailure (4609) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mod (1876)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card degrade - wavelength tracker channel id insertion is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 3-855 WaveKeyOverlap**

Alarm	Attributes	Applicable major releases
Name: WaveKeyOverlap (2117) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OchKeyOverlap (1877)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Wave Key overlap is detected.		
<b>Remedial action:</b> 1. Perform the procedure Path Power Trace to identify the endpoints of the service for the particular alarmed channel. 2. List the cross connects that currently exist on the endpoint NEs and identify the cross connects involved with the alarmed power trace. 3. Rekey the associated connections identified in Step 2.		

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Table 3-856 WavelengthTrackerEncodeDegrade

Alarm	Attributes	Applicable major releases
Name: WavelengthTrackerEncodeDegrade (2121) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MtcesurvDgr (1386)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port Degrade - wavelength tracker encode degrade is detected.		
<b>Remedial action:</b> Please refer section MTCEURVDGR (Port degrade - wavelength tracker encode degrade) in 1830 PSS Troubleshooting guide.		

Table 3-857 WavelengthTrackerFailure

Alarm	Attributes	Applicable major releases
Name: WavelengthTrackerFailure (4610) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Contr (1878) Applicable probable causes: <ul style="list-style-type: none"> <li>• Contr</li> <li>• ContrOut</li> </ul>	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port degrade - wavelength tracker detection failure is detected.		
<b>Remedial action:</b> 1 Perform a warm reset of the card.2 Perform a cold reset of the card.3 Reseat the Card.4 Replace the Card. Action update pending.For Details Refer Procedure : Clear Port degrade - wavelength tracker communication failure in 1830 Troubleshooting guide.		

**Table 3-858 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 3-859 WrongDevicePresent**

Alarm	Attributes	Applicable major releases
Name: WrongDevicePresent (4967) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Device	Severity: variable Implicitly cleared: true Default probable cause: RmdWDP (2022)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when there is an incorrect device found.		
<b>Remedial action:</b> Please ensure that the configure device type of the RMD is correct.		

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**Table 3-860 WrongUnitInserted**

Alarm	Attributes	Applicable major releases
Name: WrongUnitInserted (4968) Type: equipmentAlarm (3) Package: rmd Raised on class: rmd.Port	Severity: variable Implicitly cleared: true Default probable cause: RmdIfWUP (2023)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the wrong unit is inserted in a RMD device of type cEDD. Applicable to both customer and network ports.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action		

**Table 3-861 WtocmaOsnrOomr**

Alarm	Attributes	Applicable major releases
Name: WtocmaOsnrOomr (4611) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WTCMA_OSNROOMR (1880)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel OSNR is out of valid measurement range is detected.		
<b>Remedial action:</b> The Channel OSNR is out of valid measurement range alarm is cleared automatically at the end of first complete interval during which the updated measuring OSNR value is in the valid measuring range (from 10dB to 25dB).		

**Table 3-862 WTR**

Alarm	Attributes	Applicable major releases
Name: WTR (3927) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: Wtr (1513)	<ul style="list-style-type: none"> <li>• 2.3</li> <li>• 2.5</li> <li>• 3.0</li> <li>• 3.5</li> <li>• 3.6</li> <li>• 5.0</li> <li>• 5.1</li> <li>• 5.5</li> <li>• 6.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> Switching applications - Set on working path of an SNCP when switching is revertive and effects have cleared on the working path and the Wait-to-Restore timer is in effect. \nPhotonic applications - The OT port has detected WTR at the LINEREF layer. A LINEREF detects WTR when on a timing reference and defects have cleared and the Wait to Restore timer is in effect. .		
<b>Remedial action:</b> Check the reference status.		





## 4 — Alcatel-Lucent 1830 PSS (PSS-36 OCS, PSS-64 OCS) alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 4-1 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

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**Table 4-2 ActiveLoopback**

Alarm	Attributes	Applicable major releases
Name: ActiveLoopback (8074) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: ACTLPBK (2476)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated facility has a loopback activated at the near end.		
<b>Remedial action:</b> The associated facility has a loopback activated at the near end.		

**Table 4-3 AddPowerControlFailure**

Alarm	Attributes	Applicable major releases
Name: AddPowerControlFailure (4422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mtcssurv (1586) Applicable probable causes: <ul style="list-style-type: none"> <li>Mtcssurv</li> <li>MTCESURV</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Add power control failure is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-4 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 4-5 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

**Table 4-6 AlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: AlarmIndicationSignal (8075) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: AIS (2477)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Alarm Indication Signal detected.		
<b>Remedial action:</b> Alarm Indication Signal detected.		

**Table 4-7 ApplPersonelAttnRequired**

Alarm	Attributes	Applicable major releases
Name: ApplPersonelAttnRequired (5602) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: APPLPAN (2355)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when application on a circuit pack needs personal assistance.		
<b>Remedial action:</b> Application on Circuitpack needs personal assistance.Details Please See User Manual		

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Table 4-8 ApsSwitchedToWork

Alarm	Attributes	Applicable major releases
Name: ApsSwitchedToWork (1977) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WkSwBk (962)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic switch to working is detected.		
<b>Remedial action:</b> Please refer section WKS WBK (Automatic switch to working) in 1830 PSS Troubleshooting guide for detailed corrective action.		

Table 4-9 ApsWorkingForceSwitchedBackToWorking

Alarm	Attributes	Applicable major releases
Name: ApsWorkingForceSwitchedBackToWorking (4432) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FrCdWkSwBk (1603) Applicable probable causes: <ul style="list-style-type: none"> <li>FrCdWkSwBk</li> <li>FrCdWkSwBkVTS1</li> <li>FrCdWkSwBkVTS2</li> <li>FrCdWkSwBkVTS3</li> <li>FrCdWkSwBkVTS4</li> <li>FrCdWkSwBkVTS5</li> <li>FrCdWkSwBkVTS6</li> <li>FrCdWkSwBkVTS7</li> <li>FrCdWkSwBkVTS8</li> <li>FrCdWkSwBkVTS9</li> <li>FrCdWkSwBkVTS10</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to working is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-10 ApsWorkingForceSwitchedToProtect

Alarm	Attributes	Applicable major releases
Name: ApsWorkingForceSwitchedToProtect (4433) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: FrcdWkSwPr (1614) Applicable probable causes: <ul style="list-style-type: none"> <li>• FrcdWkSwPr</li> <li>• FrcdWkSwPrVTS1</li> <li>• FrcdWkSwPrVTS2</li> <li>• FrcdWkSwPrVTS3</li> <li>• FrcdWkSwPrVTS4</li> <li>• FrcdWkSwPrVTS6</li> <li>• FrcdWkSwPrVTS7</li> <li>• FrcdWkSwPrVTS8</li> <li>• FrcdWkSwPrVTS9</li> <li>• FrcdWkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-11 ApsWorkingManualSwitchedBackToWorking

Alarm	Attributes	Applicable major releases
Name: ApsWorkingManualSwitchedBackToWorking (4434) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ManWkSwBk (1624) Applicable probable causes: <ul style="list-style-type: none"> <li>• ManWkSwBk</li> <li>• ManWkSwBkVTS1</li> <li>• ManWkSwBkVTS2</li> <li>• ManWkSwBkVTS3</li> <li>• ManWkSwBkVTS4</li> <li>• ManWkSwBkVTS5</li> <li>• ManWkSwBkVTS6</li> <li>• ManWkSwBkVTS7</li> <li>• ManWkSwBkVTS8</li> <li>• ManWkSwBkVTS9</li> <li>• ManWkSwBkVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to working is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 4-12 ApsWorkingManualSwitchedToProtect

Alarm	Attributes	Applicable major releases
Name: ApsWorkingManualSwitchedToProtect (4435) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: ManWkSwPr (1635) Applicable probable causes: <ul style="list-style-type: none"> <li>• ManWkSwPr</li> <li>• ManWkSwPrVTS1</li> <li>• ManWkSwPrVTS2</li> <li>• ManWkSwPrVTS3</li> <li>• ManWkSwPrVTS4</li> <li>• ManWkSwPrVTS5</li> <li>• ManWkSwPrVTS6</li> <li>• ManWkSwPrVTS7</li> <li>• ManWkSwPrVTS8</li> <li>• ManWkSwPrVTS9</li> <li>• ManWkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-13 ApsWorkingSwitchedToProtect

Alarm	Attributes	Applicable major releases
Name: ApsWorkingSwitchedToProtect (4436) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: WkSwPr (1646) Applicable probable causes: <ul style="list-style-type: none"> <li>• WkSwPr</li> <li>• WkSwPrVTS1</li> <li>• WkSwPrVTS2</li> <li>• WkSwPrVTS3</li> <li>• WkSwPrVTS4</li> <li>• WkSwPrVTS5</li> <li>• WkSwPrVTS6</li> <li>• WkSwPrVTS7</li> <li>• WkSwPrVTS8</li> <li>• WkSwPrVTS9</li> <li>• WkSwPrVTS10</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic switch to protection is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-14 AreaTypeMismatch**

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

**Table 4-15 AssymmetricalLANConnection**

Alarm	Attributes	Applicable major releases
Name: AssymmetricalLANConnection (5603) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: LANASYM (2356)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf LAN Cables are asymmetrical connected.		
<b>Remedial action:</b> Check the LAN Connection		

**Table 4-16 AutomaticInService**

Alarm	Attributes	Applicable major releases
Name: AutomaticInService (8076) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: AINS (2478)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Automatic in Service State detected.		
<b>Remedial action:</b> Automatic in Service State.		

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Table 4-17 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 4-18 BackwardDefectIndication

Alarm	Attributes	Applicable major releases
Name: BackwardDefectIndication (4444) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Bdi (1664) Applicable probable causes: <ul style="list-style-type: none"> <li>Bdi</li> <li>BdiOdu</li> <li>BackwardDefectIndicationEgress</li> <li>BDIS</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Backward Defect Indication - OTU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-19 BackwardDefectIndicationEgress

Alarm	Attributes	Applicable major releases
Name: BackwardDefectIndicationEgress (4914) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: BackwardDefectIndicationEgress (1666) Applicable probable causes: <ul style="list-style-type: none"> <li>BackwardDefectIndicationEgress</li> <li>BDIP</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Backward Defect Indication Egress - ODU .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



Table 4-20 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 4-21 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 4-22 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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**Table 4-23 ClientDelegateServerStatus**

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

**Table 4-24 CommunicationLoss**

Alarm	Attributes	Applicable major releases
Name: CommunicationLoss (5605) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: CONTCOMFLC (2360) Applicable probable causes: <ul style="list-style-type: none"> <li>CONTCOMFLC</li> <li>CONTCOMMTX</li> <li>CONTCOMQ1</li> <li>CONTCOMQ2</li> <li>CONTCOMQ3</li> <li>CONTCOMQ4</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Inter Card Communication Failure .		
<b>Remedial action:</b> Communication Loss happened interconnected Shelf/Circuitpack		

**Table 4-25 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 4-26 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 4-27 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 4-28 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 4-29 CriticalTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: CriticalTemperatureDetected (5606) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: CRITICALTEMP (2366)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature exceeded Critical Threshold.		
<b>Remedial action:</b> The NE has detected internal temperatures which are above critical. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 4-30 CsfGfpOut**

Alarm	Attributes	Applicable major releases
Name: CsfGfpOut (4458) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfGfpOut (1682) Applicable probable causes: <ul style="list-style-type: none"> <li>• CsfGfpOut</li> <li>• GFPCSF</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Client Signal Fail detected on the GFP is detected.		
<b>Remedial action:</b> Refer Procedure: Clear Client Signal Failure (GFP) in 1830 PSS Troubleshooting guide.		

**Table 4-31 CsfOduOut**

Alarm	Attributes	Applicable major releases
Name: CsfOduOut (4459) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: CsfOduOut (1683) Applicable probable causes: <ul style="list-style-type: none"> <li>• CsfOduOut</li> <li>• ODUCSF</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Client Signal Fail detected on the ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-32 DatabaseBackup**

Alarm	Attributes	Applicable major releases
Name: DatabaseBackup (8063) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DBBACKUP (2464)	<ul style="list-style-type: none"> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when database backup is running.		
<b>Remedial action:</b> Database backup is running.		

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**Table 4-33 DatabaseBackupFailure**

Alarm	Attributes	Applicable major releases
Name: DatabaseBackupFailure (8064) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DBF (2465)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when creation of local backup database failed.		
<b>Remedial action:</b> Creation of local backup database failed.		

**Table 4-34 DatabaseRestore**

Alarm	Attributes	Applicable major releases
Name: DatabaseRestore (8065) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DBRESTORE (2466)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when database restore is running.		
<b>Remedial action:</b> Database restore is running.		

**Table 4-35 DatabaseRestoreFailure**

Alarm	Attributes	Applicable major releases
Name: DatabaseRestoreFailure (8066) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: DRF (2467)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when restoration of local backup database failed.		
<b>Remedial action:</b> Restoration of local backup database failed.		

**Table 4-36 downgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 4-37 DuplicateShelfId

Alarm	Attributes	Applicable major releases
Name: DuplicateShelfId (5607) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: DUPSHELFID (2369)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when there are two or more extension shelves with same Shelf ID		
<b>Remedial action:</b> Remove the Shelf and Reconfigure with correct Id.		

Table 4-38 Ebero

Alarm	Attributes	Applicable major releases
Name: Ebero (3348) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: EBERO (1181) Applicable probable causes: <ul style="list-style-type: none"> <li>EBERO</li> <li>EBER</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Optical supervision channel excessive BER is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-39 EOCFailure

Alarm	Attributes	Applicable major releases
Name: EOCFailure (8077) Type: communicationsAlarm (4) Package: optical Raised on class: optical.NetworkInterface	Severity: variable Implicitly cleared: true Default probable cause: EOC (2479)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when Embedded Operations Channel failure occurs and no adjacencies are formed.		
<b>Remedial action:</b> Please refer EOC in 1830 PSS Troubleshooting guide for detailed corrective procedure.		

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**Table 4-40 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 4-41 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

**Table 4-42 EquipmentFailure**

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 4-43 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 4-44 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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**Table 4-45 EquipmentRemovalWhenNoProtection**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemovalWhenNoProtection (5608) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: MAN (2371)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Logical Removal of Equipment where no protection mate is available.		
<b>Remedial action:</b> Reconfigure the Main Circuitpack		

**Table 4-46 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 4-47 ExtensionHeaderMismatchGFP**

Alarm	Attributes	Applicable major releases
Name: ExtensionHeaderMismatchGFP (8110) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: GFPEXM (2507)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Extension Header Mismatch on the ODUPTF detected. Always Service affecting.		
<b>Remedial action:</b> Extension Header Mismatch on the ODUPTF.		

**Table 4-48 ExternalLANFailure**

Alarm	Attributes	Applicable major releases
Name: ExternalLANFailure (8078) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ControlNetworkSpecifics	Severity: variable Implicitly cleared: true Default probable cause: EXTLANFAIL (2480)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Link down on an external LAN interface (management LAN or shelf interconnection LAN) is detected.		
<b>Remedial action:</b> Link down on an external LAN interface (management LAN or shelf interconnection LAN).		

**Table 4-49 FacilityManualRemoval**

Alarm	Attributes	Applicable major releases
Name: FacilityManualRemoval (8079) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: MAN (2371)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when related facility is manually taken out of service while it has condition on it.		
<b>Remedial action:</b> Related facility is manually taken out of service.		

**Table 4-50 FailureOfProtocolInconsistent**

Alarm	Attributes	Applicable major releases
Name: FailureOfProtocolInconsistent (8111) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: FOPINCON (2508)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the received APS protocol is not stable.		
<b>Remedial action:</b> Failure Of Protocol - Inconsistent.		

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**Table 4-51 FailureOfProtocolNoResponse**

Alarm	Attributes	Applicable major releases
Name: FailureOfProtocolNoResponse (8112) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: FOPNR (2509)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when detected protocol interaction problem from comparing the Entity ID fields of the transmitted and the received APS protocol.		
<b>Remedial action:</b> Failure Of Protocol - No Response.		

**Table 4-52 FailureOfProtocolOperationMismatch**

Alarm	Attributes	Applicable major releases
Name: FailureOfProtocolOperationMismatch (8113) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: FOPOM (2510)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when detected protocol provisioning mismatch from comparing R bits (" revertive / non-revertive) of the transmitted and the received APS protocol."		
<b>Remedial action:</b> Failure Of Protocol - Operation Mismatch.		

**Table 4-53 FailureOfProtocolProvisioningMismatch**

Alarm	Attributes	Applicable major releases
Name: FailureOfProtocolProvisioningMismatch (8114) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: FOPPM (2511)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when detected protocol provisioning mismatch from comparing A and B bits (" protocol usage and 1+1 / 1:n architecture) of the transmitted and the received APS protocol. ."		
<b>Remedial action:</b> Failure Of Protocol - Provisioning Mismatch.		

**Table 4-54 FailureOfProtocolSwitchMismatch**

Alarm	Attributes	Applicable major releases
Name: FailureOfProtocolSwitchMismatch (8115) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: FOPSM (2512)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when detected protocol provisioning mismatch from comparing D bits ("uni- / bi-directional switching) of the transmitted and the received APS protocol."		
<b>Remedial action:</b> Failure Of Protocol - Switch Mismatch.		

**Table 4-55 FilterBlocked**

Alarm	Attributes	Applicable major releases
Name: FilterBlocked (5610) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: FLTBLKD (2373)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when air filter of the shelf gets blocked		
<b>Remedial action:</b> Filter on the Shelf is Blocked, remove the filter and repair		

**Table 4-56 FilterClogged**

Alarm	Attributes	Applicable major releases
Name: FilterClogged (5611) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: FLTCLOGCRIT (2374) Applicable probable causes: <ul style="list-style-type: none"> <li>FLTCLOGCRIT</li> <li>FLTCLOGHIGH</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when air filter of the shelf gets clogged		
<b>Remedial action:</b> Filter on the Shelf is Clogged remove the filter and repair		

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Table 4-57 FilterMissing

Alarm	Attributes	Applicable major releases
Name: FilterMissing (5612) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: FLTMISS (2376)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when air filter of the shelf is missing		
<b>Remedial action:</b> Filter is missing on the shelf, Reinsert the Filter		

Table 4-58 FirmwareUpgradeFailure

Alarm	Attributes	Applicable major releases
Name: FirmwareUpgradeFailure (5613) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FWUPGRADEFAIL (2377)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised for Firmware Upgrade Fail .		
<b>Remedial action:</b> Firm Ware Upgrade Failed. Re do the firmware upgrade again		

Table 4-59 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

**Table 4-60 FrcdSwTimRef**

Alarm	Attributes	Applicable major releases
Name: FrcdSwTimRef (3922) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: FrcdSwTimRef (1508)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Forced switch to a timing reference is detected.		
<b>Remedial action:</b> Clear force switch.		

**Table 4-61 FrngSync**

Alarm	Attributes	Applicable major releases
Name: FrngSync (3722) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FrngSync (1460)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> This alarm is raised when the system clock is in free-running mode.		
<b>Remedial action:</b> The alarm is raised when system clock in free running mode. Proceed to Procedure -Clear System clock is in free running synchronization mode alarm in 1830 PSS Troubleshooting guide.		

**Table 4-62 FuseFailure**

Alarm	Attributes	Applicable major releases
Name: FuseFailure (5614) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: FA (2378)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised for Fuse Alarm .		
<b>Remedial action:</b> Fuse Alarm, Check the Fuse in the Shelf		

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Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

**Table 4-64 GfpLofOut**

Alarm	Attributes	Applicable major releases
Name: GfpLofOut (4488) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpLofOut (1710) Applicable probable causes: <ul style="list-style-type: none"> <li>GfpLofOut</li> <li>GFPLof</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Loss of GFP alignment is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Loss of GFP alignment in 1830 PSS Troubleshooting guide.		

**Table 4-65 HardwareFailure**

Alarm	Attributes	Applicable major releases
Name: HardwareFailure (5615) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: HWFAIL (2380) Applicable probable causes: <ul style="list-style-type: none"> <li>HWFAIL</li> <li>HWMCPF</li> <li>HWSUSP</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised for Hardware Failure .		
<b>Remedial action:</b> Hardware error is detected, replace the hardware.		



**Table 4-66 HighTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: HighTemperatureDetected (5616) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: HIGHTEMP (2383)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature exceeded High Threshold.		
<b>Remedial action:</b> High Temperature Detected,Check the Fan is working properly		

**Table 4-67 HldOvrSync**

Alarm	Attributes	Applicable major releases
Name: HldOvrSync (3917) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: HldOvrSync (1502)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the system clock is in hold-over mode.		
<b>Remedial action:</b> Check all references.		

**Table 4-68 IncompleteConfiguration**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 4-69 InHsWdx

Alarm	Attributes	Applicable major releases
Name: InHsWdx (5619) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INHSWDX (2387)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when 1+1 equipment protection group is inhibited .		
<b>Remedial action:</b> A 1+1 equipment protection group is inhibited to switch. Use ALW-SWDX-EQPT TL1 Command		

Table 4-70 IntClockMiss

Alarm	Attributes	Applicable major releases
Name: IntClockMiss (5620) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INTCLOCKMISS (2388)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the clock signal generated by the specified MTX is not distributed internally.		
<b>Remedial action:</b> The clock signal generated by the specified MTX is not distributed internally.		

Table 4-71 InternalCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: InternalCommunicationFailure (5625) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ECCCOMA (2393) Applicable probable causes: <ul style="list-style-type: none"> <li>ECCCOMA</li> <li>ECCCOMB</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when internal Communication Failure Between FLC and ECC(A/B) .		
<b>Remedial action:</b> Internal Communication Failure		

**Table 4-72 InternalLanDegrade**

Alarm	Attributes	Applicable major releases
Name: InternalLanDegrade (5626) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INTLANDEGR (2395)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Internal LAN redundancy is degraded .		
<b>Remedial action:</b> Internal Lan Degrade, check the LAN Connectivity.		

**Table 4-73 InternalLanFail**

Alarm	Attributes	Applicable major releases
Name: InternalLanFail (5627) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INTLANFAIL (2396)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Internal LAN connection is failed .		
<b>Remedial action:</b> Internal Lan Failure, Repair the LAN Connectivity		

**Table 4-74 InternalPayloadIntegrity**

Alarm	Attributes	Applicable major releases
Name: InternalPayloadIntegrity (5628) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INTERRA (2397) Applicable probable causes: <ul style="list-style-type: none"> <li>INTERRA</li> <li>INTERRB</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Problem with Integrity of the internal payload .		
<b>Remedial action:</b> Internal Payload Integrity		

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Table 4-75 InternalSynchSignal

Alarm	Attributes	Applicable major releases
Name: InternalSynchSignal (5629) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: INTSYNCOMISSA (2399) Applicable probable causes: <ul style="list-style-type: none"> <li>INTSYNCOMISSA</li> <li>INTSYNCOMISSB</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Internal LAN connection is failed .		
<b>Remedial action:</b> Internal Synchronization Signal Generated by the MTX is corrupted		

Table 4-76 IPCPConnectionFailure

Alarm	Attributes	Applicable major releases
Name: IPCPConnectionFailure (8080) Type: communicationsAlarm (4) Package: optical Raised on class: optical.NetworkInterface	Severity: variable Implicitly cleared: true Default probable cause: IPCPCONFAIL (2481)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when no IPCP connection could be established on an ECC provisioned for IP. The alarm is raised after 10 unsuccessful attempts to establish the IPCP.		
<b>Remedial action:</b> Please refer IPCPCONNFAIL in 1830 PSS Troubleshooting guide for detailed corrective procedure.		

Table 4-77 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

**Table 4-78 LanLol**

Alarm	Attributes	Applicable major releases
Name: LanLol (4499) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanLol (1722) Applicable probable causes: <ul style="list-style-type: none"> <li>LanLol</li> <li>LOL</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Link is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-79 LatchOpen**

Alarm	Attributes	Applicable major releases
Name: LatchOpen (5630) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: LATCHOPEN (2402)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when one of the latches is not closed .		
<b>Remedial action:</b> Indicates that one of the latches are not closed.Close the Latch		

**Table 4-80 LckOut**

Alarm	Attributes	Applicable major releases
Name: LckOut (4500) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LckOut (1723) Applicable probable causes: <ul style="list-style-type: none"> <li>LckOut</li> <li>LCK</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Locked - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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Table 4-81 LCPCONNECTIONFAILURE

Alarm	Attributes	Applicable major releases
Name: LCPCONNECTIONFAILURE (8081) Type: communicationsAlarm (4) Package: optical Raised on class: optical.NetworkInterface	Severity: variable Implicitly cleared: true Default probable cause: LCPCONFAIL (2482)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when communication over an ECC is not possible because the link control protocol(LCP) could not be established between the two ends of the link. The alarm is raised after 10 unsuccessful attempts to establish the LCP.		
<b>Remedial action:</b> Please refer LCPCONNFAIL in 1830 PSS Troubleshooting guide for detailed corrective procedure.		

Table 4-82 LeftLanWronglyConnected

Alarm	Attributes	Applicable major releases
Name: LeftLanWronglyConnected (5631) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: LANLEFTRING (2404)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf neighbors are missing in left LAN.		
<b>Remedial action:</b> Left LAN is wrongly Connected. Check the LAN Connectivity		

Table 4-83 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 4-84 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 4-85 LockOutOfProtection**

Alarm	Attributes	Applicable major releases
Name: LockOutOfProtection (8116) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: LOCKOUTOFPR (2513)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Lock out of Protection facility detected.		
<b>Remedial action:</b> Lock out of Protection facility detected.		

**Table 4-86 LockoutOfTimRef**

Alarm	Attributes	Applicable major releases
Name: LockoutOfTimRef (3923) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: LockoutOfTimRef (1509)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Lock out of a timing reference is detected.		
<b>Remedial action:</b> Check the timing reference quality and priority.		

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**Table 4-87 LockOutOfWorking**

Alarm	Attributes	Applicable major releases
Name: LockOutOfWorking (8117) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: LOCKOUTWR (2514)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Lockout of working facility detected. The related normal traffic ODU is not allowed to request usage of protection. .		
<b>Remedial action:</b> Lockout of working facility detected.		

**Table 4-88 LOFLOM**

Alarm	Attributes	Applicable major releases
Name: LOFLOM (4496) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LOFLOM (1719)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when ODU LOFLOM is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Loss of Frame and Loss of Multiframe in 1830 PSS Troubleshooting guide.		

**Table 4-89 Lol**

Alarm	Attributes	Applicable major releases
Name: Lol (4504) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lol (1726)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Lane Alignment is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		



**Table 4-90 LosOts**

Alarm	Attributes	Applicable major releases
Name: LosOts (3372) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LosOts (1202) Applicable probable causes: <ul style="list-style-type: none"> <li>LosOts</li> <li>LOSOTS</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when OPS Input Loss of Signal is detected.		
<b>Remedial action:</b> Please refer LOS-P (Incoming Payload LOS) in 1830 PSS Troubleshooting guide for detailed corrective action.		

**Table 4-91 LossOfFrame (optical)**

Alarm	Attributes	Applicable major releases
Name: LossOfFrame (630) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: Lof (1073) Applicable probable causes: <ul style="list-style-type: none"> <li>Lof</li> <li>LOF</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of frame is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Node Maintenance manual for remedial action information.		

**Table 4-92 LossOfMultiFrame (oth)**

Alarm	Attributes	Applicable major releases
Name: LossOfMultiFrame (3930) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: LOM (1040)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Multiframe detected.		
<b>Remedial action:</b> Loss of Multiframe.		

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Table 4-93 LossOfOPUMultiFrameIdentifier

Alarm	Attributes	Applicable major releases
Name: LossOfOPUMultiFrameIdentifier (8118) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: LOOMFI (2515)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of OPU MultiFrame Identifier detected.		
<b>Remedial action:</b> Loss of OPU MultiFrame Identifier.		

Table 4-94 LossOfSignal (optical)

Alarm	Attributes	Applicable major releases
Name: LossOfSignal (631) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: Los (1077) Applicable probable causes: <ul style="list-style-type: none"> <li>Los</li> <li>LosP</li> <li>LosOut</li> <li>LosLdSig</li> <li>LanLos</li> <li>LOS</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of Signal is detected.		
<b>Remedial action:</b> A receive port on one of the optical cards has detected a loss of signal. The LOS condition may be raised for the following reasons: 1. a misconnected, damaged, or dirty fiber. 2. the received power may not be within the acceptable range. The procedures in this section are as follows: 1. LOS (Channel Absent Alarm) 2. LD Input LOS. 3. CWR Input LOS. 4. LOS (Loss of Signal). Please refer detailed section for each in 1830 PSS Troubleshooting guide.		

Table 4-95 LossOfSync

Alarm	Attributes	Applicable major releases
Name: LossOfSync (4510) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Lss (1729) Applicable probable causes: <ul style="list-style-type: none"> <li>Lss</li> <li>LSS</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Loss of synchronization is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-96 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 4-97 Lssc**

Alarm	Attributes	Applicable major releases
Name: Lssc (5632) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: LSSC (2407)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the subsystem controlled by the equipment cannot be provisioned or supervised at the moment .		
<b>Remedial action:</b> The Subsystem controlled by the equipment cannot be provisioned or supervised at the moment		

**Table 4-98 Lvco**

Alarm	Attributes	Applicable major releases
Name: Lvco (5633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: LVCO (2408)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the battery supervision detects low voltage .		
<b>Remedial action:</b> Battery supervision detects low voltage,Repair Battery		

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Table 4-99 ManSwTimRef

Alarm	Attributes	Applicable major releases
Name: ManSwTimRef (3925) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: ManSwTimRef (1511)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Manual switch to a timing reference is detected.		
<b>Remedial action:</b> Check the timing reference quality and priority.		

Table 4-100 ManSwToInt

Alarm	Attributes	Applicable major releases
Name: ManSwToInt (3918) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: ManSwToInt (1503)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when System clock forced to internal clock is detected.		
<b>Remedial action:</b> Clear the manual switch.		

Table 4-101 Misc

Alarm	Attributes	Applicable major releases
Name: Misc (5634) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: MISC_1 (2409)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised standby CRU is not tracking the active CRU.		
<b>Remedial action:</b> Indicates that the standby CRU is not tracking the active CRU.		

Table 4-102 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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Table 4-103 ModulesNotProvisioned

Alarm	Attributes	Applicable major releases
Name: ModulesNotProvisioned (5635) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: ABNORMAL (2410)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when module is available in a position but not provisioned.		
<b>Remedial action:</b> Card is Not Provisioned but available, Provision the Card		

Table 4-104 Msim

Alarm	Attributes	Applicable major releases
Name: Msim (3377) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Msim (1206)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Multiplex Structure Identifier Mismatch is detected.		
<b>Remedial action:</b> Please follow the below steps to clear this alarm: 1. Check if there is a signal degraded alarm reported at OT Port. Perform the corrective action for clearing the alarms found. 2. After all degraded alarms are cleared retrieve the Digital Wrapper performance monitoring group by executing the following command on node CLI: "show interface card_type shelf slot L1 PM DW". 3. Check whether uncorrectable FEC bit errors are reported. If so, perform the action for clearing the signal degraded alarms. 4. After all signal degraded alarms are cleared and no uncorrectable bit errors are reported, check whether the input OTU signal MSI byte is compliant with received OT card settings.		

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Table 4-105 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 4-106 NeUnavailable

Alarm	Attributes	Applicable major releases
Name: NeUnavailable (8068) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: NEUNAVAIL (2470)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the whole system cannot be provisioned or supervised at the moment.		
<b>Remedial action:</b> The whole system cannot be provisioned or supervised at the moment.		

Table 4-107 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 4-108 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 4-109 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 4-111 NotAligned**

Alarm	Attributes	Applicable major releases
Name: NotAligned (5637) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: DXNOTALGND (2412)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when inactive entity of an 1+1 equipment Protection Group is not aligned .		
<b>Remedial action:</b> The inactive entity of an 1+1 equipment protection group is not aligned.		

**Table 4-112 NTPOperDown**

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		



**Table 4-113 NTPServerIsNotReachable**

Alarm	Attributes	Applicable major releases
Name: NTPServerIsNotReachable (5636) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: NTPOOSYNC (2411)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when no NTP Server is Reachable.		
<b>Remedial action:</b> NTP Server not reachable.Check the Status of NTP Server		

**Table 4-114 OciOut**

Alarm	Attributes	Applicable major releases
Name: OciOut (4519) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OciOut (1737) Applicable probable causes: <ul style="list-style-type: none"> <li>OciOut</li> <li>OCI</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Open Connection Indication - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-115 OprTx**

Alarm	Attributes	Applicable major releases
Name: OprTx (3383) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprTx (1212)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel power unstable is detected.		
<b>Remedial action:</b> This alarm is raised on cards with a Wavelength Tracker detect point when the power is outside of the provisioned power range. For corrective action please refer 1830 PSS Maintenance and Trouble-Clearing User Guide.		

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**Table 4-116 OpticalOutputPowerUnachievable**

Alarm	Attributes	Applicable major releases
Name: OpticalOutputPowerUnachievable (4524) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: OprUnachieve (961)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Channel power unachievable is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-117 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

**Table 4-118 OSPFAdjacencyFailure**

Alarm	Attributes	Applicable major releases
Name: OSPFAdjacencyFailure (8083) Type: communicationsAlarm (4) Package: optical Raised on class: optical.NetworkInterface	Severity: variable Implicitly cleared: true Default probable cause: OSPFADJFAIL (2483)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when OSPF is enabled in active mode, but no adjacency is formed via the interface.		
<b>Remedial action:</b> Check the OSPF configuration on the peer NE/router of the alarmed interface, and verify whether the OSPF configuration settings at both ends of the link are compatible.		

Table 4-119 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 4-120 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 4-121 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 4-122 PhysicalRemoval

Alarm	Attributes	Applicable major releases
Name: PhysicalRemoval (5639) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: IMPROPRMVL (2414)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when physical removal performed without logical removal .		
<b>Remedial action:</b> Physical Removal is done without logical removal, please issue RMV-EQPT- command before physically removing the equipment		

Table 4-123 PlmOduOut

Alarm	Attributes	Applicable major releases
Name: PlmOduOut (4528) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: PlmOduOut (1748) Applicable probable causes: <ul style="list-style-type: none"> <li>PlmOduOut</li> <li>PLMP</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing Payload Mismatch Indication - ODU is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-124 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 4-125 PowerFailure

Alarm	Attributes	Applicable major releases
Name: PowerFailure (5641) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: PWR (2417)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a alarming equipment detects power failure.		
<b>Remedial action:</b> Power Failure Detected. Check the Power		

Table 4-126 PRCDRERR

Alarm	Attributes	Applicable major releases
Name: PRCDRERR (5638) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: PRCDRERR (2413)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a non compatible module inserted in to shelf.		
<b>Remedial action:</b> Not compatible module is inserted in to a shelf.Module is not consistent with HW slot/Sw assignment.Remove the Module.		

Table 4-127 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 4-128 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 4-129 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 4-130 ReceiveTimingFailure**

Alarm	Attributes	Applicable major releases
Name: ReceiveTimingFailure (5643) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: RCVTIMFAIL (2419)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a received timing signal internally failed to be sent.		
<b>Remedial action:</b> A received timing signal internally failed to be sent to the MTX Card.		

**Table 4-131 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

**Table 4-132 RemoteFailureIndication**

Alarm	Attributes	Applicable major releases
Name: RemoteFailureIndication (4538) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: LanRfi (1065)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Remote Fault is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

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**Table 4-133 RemoteInventoryMismatch**

Alarm	Attributes	Applicable major releases
Name: RemoteInventoryMismatch (5644) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: RIMISMATCH (2420)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Mismatch of the stored RI of FLC and BC.		
<b>Remedial action:</b> Mismatch of the stored Remote Inventory of the FLC and BTC		

**Table 4-134 RightLanWronglyConnected**

Alarm	Attributes	Applicable major releases
Name: RightLanWronglyConnected (5645) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: LANRIGHTRING (2421)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf neighbors are missing in right LAN.		
<b>Remedial action:</b> Right Lan Wrongly Connected. Check the LAN Connectivity		

**Table 4-135 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		



**Table 4-136 ScheduledPollerProblem**

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 4-137 ServerSignalFailureEth**

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureEth (8085) Type: communicationsAlarm (4) Package: optical Raised on class: optical.GigeSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SSFETH (2484)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Egress Server Signal Failure detected on Transparently Transported GBEn.		
<b>Remedial action:</b> Egress Server Signal Failure detected on Transparently Transported GBEn.		

**Table 4-138 ServerSignalFailureOch**

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureOch (8086) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SSFOCH (2485)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when server signal failure on Optical Channel detected.		
<b>Remedial action:</b> Server signal failure detected.		

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Table 4-139 ServerSignalFailureOnLine

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureOnLine (8087) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCSmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SSFL (2486)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure detected.		
<b>Remedial action:</b> Server Signal Failure on line.		

Table 4-140 ServerSignalFailureOnPath

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureOnPath (8088) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SSFP (2487)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure detected.		
<b>Remedial action:</b> Server Signal Failure on path.		

Table 4-141 ServerSignalFailureOnSection

Alarm	Attributes	Applicable major releases
Name: ServerSignalFailureOnSection (8089) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SSFS (2488)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Server Signal Failure detected.		
<b>Remedial action:</b> Server Signal Failure on section.		

Table 4-142 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

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Table 4-143 Servicing

Alarm	Attributes	Applicable major releases
Name: Servicing (5648) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SERVICING (2424)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when FLC is temporarily in Servicing State.		
<b>Remedial action:</b> Indicates that FLC is temporarily in Servicing State.		

Table 4-144 ShelfMixedOperationMode

Alarm	Attributes	Applicable major releases
Name: ShelfMixedOperationMode (5649) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: MIXOPERAT (2425)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf Operates in Mixed Operation Mode.		
<b>Remedial action:</b> Shelf operates in mixed operation mode.		

Table 4-145 ShelfOutage

Alarm	Attributes	Applicable major releases
Name: ShelfOutage (5650) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: SHTRANSFAIL (2426)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when complete Outage of Shelf.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Complete Outage of Shelf Transmission Functionality. Replace the Shelf		

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**Table 4-146 ShelfUnAvailable**

Alarm	Attributes	Applicable major releases
Name: ShelfUnAvailable (5651) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: SHELFUNAVAIL (2427)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf cannot be provisioned or supervised.		
<b>Remedial action:</b> The Shelf equipment cannot be provisioned or supervised at the moment.		

**Table 4-147 ShelfUpgradeForMtx**

Alarm	Attributes	Applicable major releases
Name: ShelfUpgradeForMtx (5652) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: UPGSWITCH (2428)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Shelf ready for Matrix Size Upgrade.		
<b>Remedial action:</b> Shelf ready for MTX size upgrade.		

**Table 4-148 ShutdownTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: ShutdownTemperatureDetected (5653) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: variable Implicitly cleared: true Default probable cause: THERMSHUTD (2429)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature exceeded the shutdown threshold.		
<b>Remedial action:</b> The temperature of components has exceeded the shutdown threshold.		

**Table 4-149 SignalDegradeBitErrorRatio**

Alarm	Attributes	Applicable major releases
Name: SignalDegradeBitErrorRatio (8090) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: SDBER (2489)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Bit Error Rate is greater than or equal to provisioned threshold.		
<b>Remedial action:</b> Bit Error Rate is greater than or equal to provisioned threshold.		

**Table 4-150 SignalDegradeBitErrorRatioOnPath**

Alarm	Attributes	Applicable major releases
Name: SignalDegradeBitErrorRatioOnPath (8119) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: SDBERP (2516)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Bit Error Rate is greater than or equal to provisioned threshold.		
<b>Remedial action:</b> Bit Error Rate is greater than or equal to provisioned threshold.		

**Table 4-151 SignalDegradeBitErrorRatioOnSection**

Alarm	Attributes	Applicable major releases
Name: SignalDegradeBitErrorRatioOnSection (8120) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: SDBERS (2517)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Bit Error Rate is greater than or equal to provisioned threshold.		
<b>Remedial action:</b> Bit Error Rate is greater than or equal to provisioned threshold.		

**Table 4-152 SlippingTimeSignal**

Alarm	Attributes	Applicable major releases
Name: SlippingTimeSignal (8091) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SLTMSIG (1473)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised the timing reference frequency has moved off the required accuracy limits.		
<b>Remedial action:</b> Informational - the timing reference frequency has moved off the required accuracy limits. Please contact Alcatel-Lucent support for assistance.		

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Table 4-153 SoftwareDownloadInProgress

Alarm	Attributes	Applicable major releases
Name: SoftwareDownloadInProgress (5654) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SWDWN (2430)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when module is being downloaded with a sw.		
<b>Remedial action:</b> Indicate that the identified module is being download with a Software.		

Table 4-154 SoftwareVersionMismatch

Alarm	Attributes	Applicable major releases
Name: SoftwareVersionMismatch (2092) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SfMismatch (1072) Applicable probable causes: <ul style="list-style-type: none"> <li>SfMismatch</li> <li>SWMISM</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Software version mismatch is detected.		
<b>Remedial action:</b> This alarm is raised under the following conditions: a. The software on the alarmed card does not match the software on the nearest EC card because the card failed to update successfully. b. When all cards are not running the same software release. Please follow the below steps to clear this alarm(At the end of each step wait to see if the fault clears. If not proceed with the next step): 1. Find the software version number and release number on the EC card. Compare the corresponding number in the alarmed card. If it is not the same, download the software from EC to the alarmed card. 2. Contact your next level of support.		

Table 4-155 StandbyDbc

Alarm	Attributes	Applicable major releases
Name: StandbyDbc (5655) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: STBYDBC (2432)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the inactive FLC is unusable.		
<b>Remedial action:</b> The Contents of the mass storage device on the inactive FLC is corrupted and cannot be repaired		

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Table 4-156 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 4-157 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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**Table 4-158 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

**Table 4-159 SyncEqpt**

Alarm	Attributes	Applicable major releases
Name: SyncEqpt (4565) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncEqpt (1185)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Synchronization equipment failure is detected.		
<b>Remedial action:</b> Refer Procedure : Clear Synchronization Equipment (CRU) failure alarm in 1830 PSS Troubleshooting guide.		

**Table 4-160 SyncOos**

Alarm	Attributes	Applicable major releases
Name: SyncOos (3919) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: variable Implicitly cleared: true Default probable cause: SyncOos (1106)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when All selectable timing reference fail is detected.		
<b>Remedial action:</b> SYNCOOS (Timing reference failed (Not Protected or Protection not Available)) / SYNCOOS (Timing reference failed--system going into holdover).Check the timing reference quality and priority.Also, Check the reference status.		



**Table 4-161 SyncRefFail**

Alarm	Attributes	Applicable major releases
Name: SyncRefFail (3736) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: SyncRefFail (1474)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when timing reference fails. .		
<b>Remedial action:</b> Check the timing reference quality and priority.		

**Table 4-162 SystemInitialization**

Alarm	Attributes	Applicable major releases
Name: SystemInitialization (8070) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: INIT (2472)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised to indicate that system initialization is currently in progress.		
<b>Remedial action:</b> System initialization is currently in progress.		

**Table 4-163 SystemInitializationNewFailure**

Alarm	Attributes	Applicable major releases
Name: SystemInitializationNewFailure (8071) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: true Default probable cause: INITNF (2473)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when system initialization failed during ISU.		
<b>Remedial action:</b> System initialization failed during ISU.		

**Table 4-164 TBbeOdu**

Alarm	Attributes	Applicable major releases
Name: TBbeOdu (8121) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU (2518)	<ul style="list-style-type: none"> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the Threshold Crossing of Background Block Errors on ODU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-165 TBbeOdu15Min

Alarm	Attributes	Applicable major releases
Name: TBbeOdu15Min (3398) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_15MIN (1227)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-166 TBbeOdu1Day

Alarm	Attributes	Applicable major releases
Name: TBbeOdu1Day (3399) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_ODU_1DAY (1228)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-167 TBbeOtu

Alarm	Attributes	Applicable major releases
Name: TBbeOtu (8122) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU (2519)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Background Block Errors on OTU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-168 TBbeOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeOtu15Min (3400) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_15MIN (1229)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-169 TBbeOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TBbeOtu1Day (3401) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_OTU_1DAY (1230)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-170 TBbeRs15Min**

Alarm	Attributes	Applicable major releases
Name: TBbeRs15Min (3406) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_15MIN (1235)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-171 TBbeRs1Day

Alarm	Attributes	Applicable major releases
Name: TBbeRs1Day (3407) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_BBE_RS_1DAY (1236)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a BBE-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-172 TCvs

Alarm	Attributes	Applicable major releases
Name: TCvs (8092) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OCSmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_CVS (2490)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Code Violations on Section is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-173 TEsoDu

Alarm	Attributes	Applicable major releases
Name: TEsoDu (8123) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU (2520)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Error Seconds on ODU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-174 TEsOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TEsOdu15Min (3430) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_15MIN (1259)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-175 TEsOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TEsOdu1Day (3431) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_ODU_1DAY (1260)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-176 TEsOtu**

Alarm	Attributes	Applicable major releases
Name: TEsOtu (8124) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU (2521)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Error Seconds on OTU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-177 TEsOtu15Min

Alarm	Attributes	Applicable major releases
Name: TEsOtu15Min (3432) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_15MIN (1261)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-178 TEsOtu1Day

Alarm	Attributes	Applicable major releases
Name: TEsOtu1Day (3433) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_OTU_1DAY (1262)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-179 TEsRs15Min

Alarm	Attributes	Applicable major releases
Name: TEsRs15Min (3442) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_15MIN (1271)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-180 TEsRs1Day**

Alarm	Attributes	Applicable major releases
Name: TEsRs1Day (3443) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_ES_RS_1DAY (1272)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a ES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-181 TEss**

Alarm	Attributes	Applicable major releases
Name: TEss (8093) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OCSmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_ESS (2491)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Errored Seconds on Section is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-182 TFecc**

Alarm	Attributes	Applicable major releases
Name: TFecc (8125) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: T_FECC (2522)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of FEC Errors Corrected on OTU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-183 TFecc15Min

Alarm	Attributes	Applicable major releases
Name: TFecc15Min (3480) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_15MIN (1309)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-184 TFecc1Day

Alarm	Attributes	Applicable major releases
Name: TFecc1Day (3481) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_FECC_1DAY (1310)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a FECC Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-185 TOFsRs15Min

Alarm	Attributes	Applicable major releases
Name: TOFsRs15Min (5657) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OFS_RS_15MIN (2433)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OFS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 4-186 TOFsRs1Day**

Alarm	Attributes	Applicable major releases
Name: TOFsRs1Day (5658) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OFS_RS_1DAY (2434)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OFS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-187 TOprh**

Alarm	Attributes	Applicable major releases
Name: TOprh (8094) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OTPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_OPR_H (2492)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Optical Power Received (High) is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-188 TOprh15Min**

Alarm	Attributes	Applicable major releases
Name: TOprh15Min (3484) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_15MIN (1313)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-189 TOprh1Day

Alarm	Attributes	Applicable major releases
Name: TOprh1Day (3485) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRH_1DAY (1314)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-190 TOprl

Alarm	Attributes	Applicable major releases
Name: TOprl (8095) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OTPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_OPR_L (2493)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Optical Power Received (Low) is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-191 TOprl15Min

Alarm	Attributes	Applicable major releases
Name: TOprl15Min (3486) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_15MIN (1315)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-192 TOprl1Day**

Alarm	Attributes	Applicable major releases
Name: TOprl1Day (3487) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPRL_1DAY (1316)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPRL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-193 TOpth**

Alarm	Attributes	Applicable major releases
Name: TOpth (8096) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OTPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_OPT_H (2494)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Optical Power Transmitted (High) is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-194 TOpth15Min**

Alarm	Attributes	Applicable major releases
Name: TOpth15Min (3488) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTH_15MIN (1317)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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**Table 4-195 TOptH1Day**

Alarm	Attributes	Applicable major releases
Name: TOptH1Day (3489) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTH_1DAY (1318)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTH tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-196 TOptL**

Alarm	Attributes	Applicable major releases
Name: TOptL (8097) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OTPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_OPT_L (2495)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Optical Power Transmitted (Low) is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-197 TOptL15Min**

Alarm	Attributes	Applicable major releases
Name: TOptL15Min (3490) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_15MIN (1319)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-198 TOptl1Day**

Alarm	Attributes	Applicable major releases
Name: TOptl1Day (3491) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_OPTL_1DAY (1320)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a OPTL tidemark Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-199 TrailTracelIdentifierMismatchOnPath**

Alarm	Attributes	Applicable major releases
Name: TrailTracelIdentifierMismatchOnPath (8102) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: TIMP (2500)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trail Trace Identifier Mismatch on Path detected.		
<b>Remedial action:</b> Trail Trace Identifier Mismatch on path detected.		

**Table 4-200 TrailTracelIdentifierMismatchOnSection**

Alarm	Attributes	Applicable major releases
Name: TrailTracelIdentifierMismatchOnSection (8103) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: TIMS (2501)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Trail Trace Identifier Mismatch on Section detected.		
<b>Remedial action:</b> Trail Trace Identifier Mismatch on section detected.		

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Table 4-201 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 4-202 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 4-203 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 4-204 TSefss

Alarm	Attributes	Applicable major releases
Name: TSefss (8098) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OCStmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_SEFSS (2496)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Severely Errored Frame Seconds on Section is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-205 TSesOdu

Alarm	Attributes	Applicable major releases
Name: TSesOdu (8126) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU (2523)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Severely Errored Seconds on ODU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-206 TSesOdu15Min

Alarm	Attributes	Applicable major releases
Name: TSesOdu15Min (3512) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_15MIN (1341)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-207 TSesOdu1Day

Alarm	Attributes	Applicable major releases
Name: TSesOdu1Day (3513) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_ODU_1DAY (1342)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-208 TSesOtu

Alarm	Attributes	Applicable major releases
Name: TSesOtu (8127) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU (2524)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Severely Errored Seconds on OTU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		



**Table 4-209 TSesOtu15Min**

Alarm	Attributes	Applicable major releases
Name: TSesOtu15Min (3514) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_15MIN (1343)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-210 TSesOtu1Day**

Alarm	Attributes	Applicable major releases
Name: TSesOtu1Day (3515) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_OTU_1DAY (1344)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-211 TSesRs15Min**

Alarm	Attributes	Applicable major releases
Name: TSesRs15Min (3524) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_15MIN (1353)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-212 TSesRs1Day

Alarm	Attributes	Applicable major releases
Name: TSesRs1Day (3525) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_SES_RS_1DAY (1354)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a SES-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-213 TSess

Alarm	Attributes	Applicable major releases
Name: TSess (8099) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OCSmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_SESS (2497)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Severely Errored Seconds on Section is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-214 TUasOdu

Alarm	Attributes	Applicable major releases
Name: TUasOdu (8128) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU (2525)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Unavailable Seconds on ODU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-215 TUasOdu15Min**

Alarm	Attributes	Applicable major releases
Name: TUasOdu15Min (3534) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_15MIN (1363)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-216 TUasOdu1Day**

Alarm	Attributes	Applicable major releases
Name: TUasOdu1Day (3535) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_ODU_1DAY (1364)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-ODU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-217 TUasOtu**

Alarm	Attributes	Applicable major releases
Name: TUasOtu (8129) Type: qualityOfServiceAlarm (82) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU (2526)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Unavailable Seconds on OTU Layer is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

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Table 4-218 TUasOtu15Min

Alarm	Attributes	Applicable major releases
Name: TUasOtu15Min (3536) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_15MIN (1365)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-219 TUasOtu1Day

Alarm	Attributes	Applicable major releases
Name: TUasOtu1Day (3537) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_OTU_1DAY (1366)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-OTU Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

Table 4-220 TUasRs15Min

Alarm	Attributes	Applicable major releases
Name: TUasRs15Min (3542) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_15MIN (1371)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed.Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-221 TUasRs1Day**

Alarm	Attributes	Applicable major releases
Name: TUasRs1Day (3543) Type: qualityOfServiceAlarm (82) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: T_UAS_RS_1DAY (1372)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Indicates a UAS-RS Threshold Crossing detection is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-222 TUass**

Alarm	Attributes	Applicable major releases
Name: TUass (8100) Type: qualityOfServiceAlarm (82) Package: optical Raised on class: optical.OCSmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: T_UASS (2498)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the Threshold Crossing of Unavailable Seconds on Section is detected.		
<b>Remedial action:</b> The alarm is raised when the related TCA threshold is crossed. Check min/max range of valid values for this TCA in order to clear the alarm.		

**Table 4-223 UnavailableTimeOdu**

Alarm	Attributes	Applicable major releases
Name: UnavailableTimeOdu (8130) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: UATODU (2527)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the unavailable time period detected.		
<b>Remedial action:</b> Unavailable time period ODU.		

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Table 4-224 UnavailableTimeOtu

Alarm	Attributes	Applicable major releases
Name: UnavailableTimeOtu (8131) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Otuk	Severity: variable Implicitly cleared: true Default probable cause: UATOTU (2528)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the unavailable time period detected.		
<b>Remedial action:</b> Unavailable time period OTU.		

Table 4-225 UnavailableTimeRegeneratorSection

Alarm	Attributes	Applicable major releases
Name: UnavailableTimeRegeneratorSection (8106) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCStmSpecifics	Severity: variable Implicitly cleared: true Default probable cause: UATRS (2503)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the unavailable time period detected.		
<b>Remedial action:</b> Unavailable time period detected.		

Table 4-226 UnderlyingResourceUnavailableOnPath

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceUnavailableOnPath (8132) Type: communicationsAlarm (4) Package: oth Raised on class: oth.Oduk	Severity: variable Implicitly cleared: true Default probable cause: URUP (2529)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when underlying resource is unavailable on path.		
<b>Remedial action:</b> Underlying resource is unavailable on path.		

**Table 4-227 UnderlyingResourceUnavailableOnSection**

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceUnavailableOnSection (8107) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: URUS (2504)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when underlying resource is unavailable on section.		
<b>Remedial action:</b> Underlying resource is unavailable on optical section.		

**Table 4-228 UnderlyingResourceUnavailableOptical**

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceUnavailableOptical (8108) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: URUO (2505)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when underlying resource is unavailable on optical section.		
<b>Remedial action:</b> Underlying resource is unavailable on optical section.		

**Table 4-229 UnidentifiedNode**

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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**Table 4-230 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 4-231 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 4-232 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		



Table 4-233 UserPayloadMismatchOut

Alarm	Attributes	Applicable major releases
Name: UserPayloadMismatchOut (5507) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: GfpUpm (1985) Applicable probable causes: <ul style="list-style-type: none"> <li>GfpUpm</li> <li>GFPUPM</li> </ul>	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Outgoing GFP User Payload Mismatch .		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

Table 4-234 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 4-235 WaitToRestore

Alarm	Attributes	Applicable major releases
Name: WaitToRestore (8109) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: WTR (2506)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> (Automatic) Set on Working path of a SNCP when switching is revertive and defects have cleared on Working and the Wait to Restore timer is in effect.		
<b>Remedial action:</b> Wait to restore.		

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**Table 4-236 WaveKeyInsertionFailure**

Alarm	Attributes	Applicable major releases
Name: WaveKeyInsertionFailure (4609) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: Mod (1876)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Card degrade - wavelength tracker channel id insertion is detected.		
<b>Remedial action:</b> Please refer 1830 PSS Troubleshooting guide for detailed steps for corrective action.		

**Table 4-237 WavelengthTrackerEncodeDegrade**

Alarm	Attributes	Applicable major releases
Name: WavelengthTrackerEncodeDegrade (2121) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: MtcesurvDgr (1386)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when Port Degrade - wavelength tracker encode degrade is detected.		
<b>Remedial action:</b> Please refer section MTCESURVDGR (Port degrade - wavelength tracker encode degrade) in 1830 PSS Troubleshooting guide.		

**Table 4-238 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 4-239 WTR**

Alarm	Attributes	Applicable major releases
Name: WTR (3927) Type: equipmentAlarm (3) Package: optical Raised on class: optical.LineReference	Severity: variable Implicitly cleared: true Default probable cause: Wtr (1513)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> Switching applications - Set on working path of an SNCP when switching is revertive and effects have cleared on the working path and the Wait-to-Restore timer is in effect. \nPhotonic applications - The OT port has detected WTR at the LINEREF layer. A LINEREF detects WTR when on a timing reference and defects have cleared and the Wait to Restore timer is in effect. .		
<b>Remedial action:</b> Check the reference status.		



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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 5-1 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 5-2 AtcaCardTemperatureLowerThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardTemperatureLowerThresholdAlarm (3710) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureLow (1448)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card temperature has decreased below any of the lower thresholds.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 5-3 AtcaCardTemperatureUpperThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardTemperatureUpperThresholdAlarm (3711) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureHigh (1449)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card temperature has increased beyond any of the upper thresholds.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor the blade. If the condition persists, replace the blade. If the condition applies to more than one blade, verify the performance of the site cooling system.		

**Table 5-4 AtcaCardVoltageLowerThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardVoltageLowerThresholdAlarm (3712) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageLow (1450)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card voltage level has decreased below any of the lower thresholds.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 5-5 AtcaCardVoltageUpperThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaCardVoltageUpperThresholdAlarm (3713) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageHigh (1451)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card voltage level has increased beyond any of the upper thresholds.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 5-6 AtcaFanFailure

Alarm	Attributes	Applicable major releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 5-7 AtcaPowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: AtcaPowerSupplyFailure (1125) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated power supply is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled'))		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Enabled')		
<b>Remedial action:</b> Check the status of the site power supply.		

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Table 5-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 5-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 5-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 5-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 5-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 5-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 5-14 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 5-15 DiameterMonitoredDestinationOverloaded

Alarm	Attributes	Applicable major releases
Name: DiameterMonitoredDestinationOverloaded (7959) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DscDiameterMonDestination	Severity: major Implicitly cleared: true Default probable cause: DscOverloadStateChange (2450)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the overload state of a monitored destination changes from normal.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Overload State' EQUAL 'Critical') OR ('Overload State' EQUAL 'Resource Critical'))		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> The overload state of a monitored destination has changed from normal. Verify the threshold limit of the destination.		

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Table 5-16 DiskTemperatureLowerThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: DiskTemperatureLowerThresholdAlarm (3716) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskTemperatureLow (1454)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the disk temperature decreases below a lower threshold.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 5-17 DiskTemperatureUpperThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: DiskTemperatureUpperThresholdAlarm (3717) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskTemperatureHigh (1455)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the disk temperature increases above an upper threshold.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Check the site cooling mechanism. If the alarm persists, replace the disk.		

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Table 5-18 DiskVoltageLowerThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: DiskVoltageLowerThresholdAlarm (3718) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskVoltageLow (1456)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the disk voltage level decreases below a lower threshold.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the disk is in the active state, it should be replaced.		

Table 5-19 DiskVoltageUpperThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: DiskVoltageUpperThresholdAlarm (3719) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Disk	Severity: variable Implicitly cleared: true Default probable cause: DiskVoltageHigh (1457)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the disk voltage level increases above an upper threshold.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the disk is in the active state, it should be replaced.		

Table 5-20 DscExtSystemOperStateDown

Alarm	Attributes	Applicable major releases
Name: DscExtSystemOperStateDown (7960) Type: EpcAlarm (59) Package: lte Raised on class: lte.DscExtSystem	Severity: major Implicitly cleared: true Default probable cause: DscExtSystemOperStateDown (2451)	<ul style="list-style-type: none"> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the operational state of an external system is down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of an external system is down (not connected). Verify its connection.		

Table 5-21 DscServiceContainerDown

Alarm	Attributes	Applicable major releases
Name: DscServiceContainerDown (845) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.ServiceContainer	Severity: major Implicitly cleared: true Default probable cause: DscServiceDown (603)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a DSC service container is down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Enabled'))		
<b>Remedial action:</b> Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of service container failure.		

Table 5-22 DscServiceDown

Alarm	Attributes	Applicable major releases
Name: DscServiceDown (846) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AbstractDynamicServicesControllerMember	Severity: major Implicitly cleared: true Default probable cause: DscServiceDown (603)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a DSC service member is down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Enabled'))		
<b>Remedial action:</b> Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of service failure.		

Table 5-23 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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**Table 5-24 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 5-25 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

**Table 5-26 EquipmentFailure**

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 5-27 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 5-28 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 5-29 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

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**Table 5-30 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 5-31 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		



Table 5-32 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 5-33 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 5-34 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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**Table 5-35 NodeRebooted**

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 5-36 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 5-37 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 5-38 OverloadedCard

Alarm	Attributes	Applicable major releases
Name: OverloadedCard (2941) Type: cardAlarm (100) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: overloadedCard (1132)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an ATCA card becomes overloaded.		
<b>Raising condition:</b> (('Overload State' EQUAL 'Critical') OR ('Overload State' EQUAL 'Resource Critical'))		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of system overload.		

Table 5-39 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 5-40 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 5-41 PowerSupplyInputFeedDownAlarm

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDownAlarm (5154) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down')))		
<b>Clearing condition:</b> ('Input Feed Status' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power		

Table 5-42 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 5-43 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 5-44 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 5-45 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 5-46 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 5-47 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>5.0</li> <li>7.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 5-48 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 5-49 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 7.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 6-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 6-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 6-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 6-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 6-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 6-6 AtcaFanFailure

Alarm	Attributes	Applicable major releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

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Table 6-7 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 6-8 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 6-9 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

**Table 6-10 BITSReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

**Table 6-11 BITSReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 6-12 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

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Table 6-13 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 6-14 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 6-15 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 6-16 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 6-17 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 6-18 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 6-19 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 6-20 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 6-21 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 6-22 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

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Table 6-23 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 6-24 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 6-25 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 6-26 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-27 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 6-28 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 6-29 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 6-30 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 6-31 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 6-32 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 6-33 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 6-34 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 6-35 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 6-36 EthernetPortNoFrameLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 6-37 EthernetPortRemoteFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 6-38 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 6-39 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 6-40 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		



Table 6-41 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 6-42 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 6-43 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 6-44 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 6-45 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 6-46 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 6-47 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 6-48 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

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Table 6-49 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 6-50 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 6-51 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 6-52 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 6-53 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

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Table 6-54 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 6-55 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 6-56 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')'		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')'		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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Table 6-57 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 6-58 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

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Table 6-59 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 6-60 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		



Table 6-61 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 6-62 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 6-63 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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Table 6-64 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 6-65 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 6-66 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

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Table 6-67 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 6-68 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 6-69 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 6-70 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 6-71 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 6-72 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 6-73 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

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Table 6-74 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-75 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 6-76 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 6-77 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 6-78 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 6-79 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 6-80 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 6-81 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

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Table 6-82 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 6-83 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

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Table 6-84 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOFF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOFF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

Table 6-85 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 6-86 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 6-87 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 6-88 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

**Table 6-89 RedundantMepMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 6-90 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 6-91 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 6-92 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 6-93 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 6-94 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

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Table 6-95 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 6-96 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 6-97 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 6-98 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 6-99 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 6-100 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 6-101 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		



Table 6-102 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 6-103 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 6-104 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band Preferred')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 6-105 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 6-106 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 6-107 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 6-108 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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**Table 6-109 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 6-110 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 6-111 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 6-112 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



## 7 — Alcatel-Lucent 7210 SAS E alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 7-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 7-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 7-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 7-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		



Table 7-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 7-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 7-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 7-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 7-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 7-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 7-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 7-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 7-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 7-14 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 7-15 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 7-16 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 7-17 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 7-18 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 7-19 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 7-20 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 7-21 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 7-22 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 7-23 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true')))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

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Table 7-24 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 7-25 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		



**Table 7-26 EthernetPortHighBer**

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 7-27 EthernetPortLocalFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 7-28 EthernetPortNoAmLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 7-29 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 7-30 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-31 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-32 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 7-33 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

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Table 7-34 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 7-35 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 7-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 7-37 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 7-38 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\\"'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\\"'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 7-39 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 7-40 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 7-41 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 7-42 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 7-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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**Table 7-44 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 7-45 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		



Table 7-46 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 7-47 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 7-48 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 7-49 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 7-50 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 7-51 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

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Table 7-52 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 7-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

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Table 7-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 7-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 7-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 7-57 NodeRebooted**

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 7-58 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 7-59 NTPOperDown**

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

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Table 7-60 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 7-61 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 7-62 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 7-63 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 7-64 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

## 7 — Alcatel-Lucent 7210 SAS E alarms

Table 7-65 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 7-66 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 7-67 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 7-68 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 7-69 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 7-70 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 7-71 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 7-72 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 7-73 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 7-74 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 7-75 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 7-76 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 7-77 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 7-78 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 7-79 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 7-80 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 7-81 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 7-82 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 7-83 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 7-84 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 7-85 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

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Table 7-86 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 7-87 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 7-88 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 7-89 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 7-90 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 7-91 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 7-92 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 7-93 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 7-94 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 7-95 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 7-96 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 7-97 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 7-98 VwmShelfCardIdMismatch

Alarm	Attributes	Applicable major releases
Name: VwmShelfCardIdMismatch (5660) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VWMCARDSlot	Severity: major Implicitly cleared: true Default probable cause: VwmShelfCardIdMismatch (2437)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the configured vwm card id is different than the equipped vwm card.		
<b>Raising condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Clearing condition:</b> (('Assigned VWM Card Type' EQUAL 'Not Provisioned') OR ('Assigned VWM Card Type' EQUAL 'Not Equipped') OR ('administrativeState' EQUAL 'Down'))		
<b>Remedial action:</b> This alarm is raised when the detected VWM shelf card id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM Shelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

Table 7-99 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 7-100 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

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## 8 — Alcatel-Lucent 7210 SAS M alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 8-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 8-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 8-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 8-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		



Table 8-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 8-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 8-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.AbstractMultiChassisLag</li> <li>• multichassis.MultiChassisLagMember</li> <li>• multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 8-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 8-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 8-10 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 8-11 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 8-12 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

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Table 8-13 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-14 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 8-15 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 8-16 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 8-17 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 8-18 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

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Table 8-19 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 8-20 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 8-21 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 8-22 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 8-23 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 8-24 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 8-25 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 8-26 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		



Table 8-27 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 8-28 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 8-29 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 8-30 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 8-31 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 8-32 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 8-33 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 8-34 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 8-35 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 8-36 DaughterCardConfigMissing

Alarm	Attributes	Applicable major releases
Name: DaughterCardConfigMissing (4403) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.DaughterCardSlot	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigMissing (1579)	<ul style="list-style-type: none"> <li>5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a supported MDA is inserted into a slot, but the current configuration is not sufficient for the MDA to operate.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The BOF configuration must be changed to include no-service-ports.		

Table 8-37 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 8-38 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

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Table 8-39 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 8-40 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		
<b>Remedial action:</b> Informational only.		

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Table 8-41 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
<b>Remedial action:</b> Informational only.		

Table 8-42 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

Table 8-43 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 8-44 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> Informational only.		

Table 8-45 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 8-46 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 8-47 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 8-48 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 8-49 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 8-50 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 8-51 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 8-52 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

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Table 8-53 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 8-54 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 8-55 EthernetPortHighBer**

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 8-56 EthernetPortLocalFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 8-57 EthernetPortNoAmLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 8-58 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 8-59 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-60 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-61 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 8-62 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 8-63 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 8-64 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 8-65 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

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Table 8-66 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 8-67 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 8-68 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 8-69 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 8-70 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mcLagPointer' EQUAL '\'\')		
<b>Clearing condition:</b> ('mcLagPointer' NOT EQUAL '\'\')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Configure the missing peered object.		

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Table 8-71 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 8-72 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

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Table 8-73 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 8-74 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 8-75 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the instance configuration		

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Table 8-76 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 8-77 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 8-78 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-79 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 8-80 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 8-81 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 8-82 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 8-83 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

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Table 8-84 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 8-85 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 8-86 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 8-87 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 8-88 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 8-89 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 8-90 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 8-91 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 8-92 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		



Table 8-93 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 8-94 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 8-95 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

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Table 8-96 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 8-97 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 8-98 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 8-99 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 8-100 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 8-101 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 8-102 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 8-103 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 8-104 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 8-105 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

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Table 8-106 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 8-107 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 8-108 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 8-109 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 8-110 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 8-111 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 8-112 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 8-113 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		



Table 8-114 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 8-115 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 8-116 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

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Table 8-117 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-118 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 8-119 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 8-120 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 8-121 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 8-122 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 8-123 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 8-124 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 8-125 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 8-126 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 8-127 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 8-128 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 8-129 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 8-130 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 8-131 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 8-132 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 8-133 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 8-134 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		



Table 8-135 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 8-136 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 8-137 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 8-138 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

Table 8-139 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 8-140 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 8-141 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 8-142 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 8-143 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 8-144 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 8-145 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

**Table 8-146 RouteDistinguisherNotConfigured**

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

**Table 8-147 RsvpDown**

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

**Table 8-148 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 8-149 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 8-150 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 8-151 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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Table 8-152 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 8-153 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

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Table 8-154 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 8-155 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 8-156 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the problem persists please contact Alcatel-Lucent support for assistance.		



Table 8-157 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 8-158 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 8-159 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

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Table 8-160 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 8-161 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 8-162 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 8-163 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 8-164 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 8-165 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 8-166 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 8-167 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 8-168 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 8-169 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

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Table 8-170 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 8-171 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

**Table 8-172 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 8-173 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 8-174 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 8-175 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 8-176 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 8-177 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 8-178 VwmShelfCardIdMismatch

Alarm	Attributes	Applicable major releases
Name: VwmShelfCardIdMismatch (5660) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VWMCARDSlot	Severity: major Implicitly cleared: true Default probable cause: VwmShelfCardIdMismatch (2437)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the configured vwm card id is different than the equipped vwm card.		
<b>Raising condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Clearing condition:</b> (('Assigned VWM Card Type' EQUAL 'Not Provisioned') OR ('Assigned VWM Card Type' EQUAL 'Not Equipped') OR ('administrativeState' EQUAL 'Down'))		
<b>Remedial action:</b> This alarm is raised when the detected VWM shelf card id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM Shelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

Table 8-179 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 8-180 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 9-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 9-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 9-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 9-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 9-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 9-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 9-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 9-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 9-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 9-10 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 9-11 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 9-12 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

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Table 9-13 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-14 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 9-15 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		



Table 9-16 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 9-17 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 9-18 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

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Table 9-19 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 9-20 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 9-21 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 9-22 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 9-23 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 9-24 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 9-25 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 9-26 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 9-27 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 9-28 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 9-29 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 9-30 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 9-31 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 9-32 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 9-33 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-34 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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**Table 9-35 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 9-36 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 9-37 EthernetPortConfiguredLoopback**

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 9-38 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 9-39 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 9-40 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-41 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 9-42 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 9-43 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 9-44 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 9-45 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 9-46 ExternalTimingReferenceNotQualified**

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

**Table 9-47 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 9-48 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 9-49 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 9-50 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 9-51 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 9-52 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 9-53 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 9-54 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.MultiChassisSync</li> <li>multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mcLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mcLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

Table 9-55 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 9-56 IncorrectPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

**Table 9-57 IncorrectPeerSynchronizationPortConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

**Table 9-58 IncorrectPeerSynchronizationPortEncapRangeConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

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Table 9-59 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 9-60 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

**Table 9-61 IsisAdjacencyDown**

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

**Table 9-62 IsisDown**

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

**Table 9-63 IsisInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 9-64 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 9-65 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 9-66 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 9-67 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 9-68 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 9-69 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 9-70 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 9-71 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 9-72 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 9-73 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 9-74 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 9-75 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 9-76 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 9-77 LSRPATHDown

Alarm	Attributes	Applicable major releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

**Table 9-78 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 9-79 macMoveRateExceeded (svt)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

**Table 9-80 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		



**Table 9-81 macMoveRateExceededNonBlock (svt)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTisLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 9-82 MCLagDown (lag)**

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

**Table 9-83 MCLagDown (multichassis)**

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 9-84 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 9-85 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 9-86 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 9-87 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>mbbRetryExceeded</li> <li>lspPathGoingDown</li> <li>startingHighPriMbb</li> <li>restartingMbb</li> <li>highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 9-88 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

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Table 9-89 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 9-90 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 9-91 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 9-92 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 9-93 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 9-94 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 9-95 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 9-96 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 9-97 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 9-98 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

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Table 9-99 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 9-100 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 9-101 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 9-102 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 9-103 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 9-104 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-105 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 9-106 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 9-107 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 9-108 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-109 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 9-110 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 9-111 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 9-112 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 9-113 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 9-114 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 9-115 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 9-116 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 9-117 PTPReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 9-118 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 9-119 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

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Table 9-120 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 9-121 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-122 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 9-123 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 9-124 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 9-125 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 9-126 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 9-127 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 9-128 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-129 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 9-130 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

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Table 9-131 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 9-132 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 9-133 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 9-134 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 9-135 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

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**Table 9-136 ShamLinkDown**

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 9-137 SingleSFMOverloadDetected**

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 9-138 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 9-139 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 9-140 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

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Table 9-141 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 9-142 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 9-143 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 9-144 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 9-145 TPLSPDown

Alarm	Attributes	Applicable major releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

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Table 9-146 TPLSPATHDown

Alarm	Attributes	Applicable major releases
Name: TPLSPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPATHDown (1958)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 9-147 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 9-148 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 9-149 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 9-150 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 9-151 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 9-152 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 9-153 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 9-154 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 9-155 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 9-156 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 9-157 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 9-158 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 9-159 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 9-160 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 9-161 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Table 9-162 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 10-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 10-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 10-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 10-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 10-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 10-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 10-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 10-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 10-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 10-10 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 10-11 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 10-12 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

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Table 10-13 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-14 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 10-15 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

**Table 10-16 BITSReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

**Table 10-17 BITSReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 10-18 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

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Table 10-19 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 10-20 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 10-21 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 10-22 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 10-23 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 10-24 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 10-25 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 10-26 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 10-27 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 10-28 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 10-29 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 10-30 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 10-31 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 10-32 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
<b>Remedial action:</b> Informational only.		

Table 10-33 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

Table 10-34 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 10-35 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 10-36 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 10-37 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 10-38 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 10-39 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

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Table 10-40 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-41 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 10-42 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 10-43 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 10-44 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 10-45 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-46 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-47 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 10-48 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-49 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-50 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-51 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 10-52 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 10-53 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 10-54 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

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Table 10-55 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 10-56 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 10-57 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 10-58 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 10-59 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 10-60 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.MultiChassisSync</li> <li>multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

Table 10-61 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 10-62 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

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Table 10-63 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 10-64 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

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Table 10-65 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 10-66 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 10-67 InterfaceDown (vppls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vppls Raised on class: vppls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 10-68 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 10-69 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 10-70 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

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Table 10-71 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 10-72 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 10-73 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 10-74 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 10-75 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

**Table 10-76 LdpSessionNonexistent**

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

**Table 10-77 LdpTargetedPeerDown**

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

**Table 10-78 LicensedLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 10-79 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 10-80 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-81 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 10-82 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 10-83 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 10-84 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		



Table 10-85 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 10-86 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 10-87 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 10-88 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 10-89 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 10-90 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 10-91 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 10-92 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 10-93 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 10-94 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 10-95 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 10-96 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 10-97 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 10-98 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 10-99 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 10-100 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 10-101 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 10-102 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 10-103 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 10-104 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 10-105 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		



Table 10-106 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 10-107 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-108 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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**Table 10-109 PeerConnectionDown (bgp)**

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

**Table 10-110 PeerDown (bgp)**

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-111 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-112 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 10-113 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 10-114 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 10-115 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 10-116 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 10-117 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-118 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 10-119 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 10-120 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 10-121 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 10-122 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 10-123 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 10-124 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 10-125 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 10-126 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOF'))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		



Table 10-127 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 10-128 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 10-129 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 10-130 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 10-131 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 10-132 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 10-133 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 10-134 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 10-135 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 10-136 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-137 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 10-138 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 10-139 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 10-140 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

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Table 10-141 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 10-142 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 10-143 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

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Table 10-144 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 10-145 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 10-146 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

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Table 10-147 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 10-148 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		



Table 10-149 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 10-150 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 10-151 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 10-152 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 10-153 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band Preferred') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

**Table 10-154 TrapRoutePreferenceRedundancyMissing**

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

**Table 10-155 TunnelAdministrativelyDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

**Table 10-156 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

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Table 10-157 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 10-158 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 10-159 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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Table 10-160 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 10-161 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 10-162 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 10-163 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 10-164 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 10-165 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 10-166 VwmShelfCardIdMismatch

Alarm	Attributes	Applicable major releases
Name: VwmShelfCardIdMismatch (5660) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VWMCARDSlot	Severity: major Implicitly cleared: true Default probable cause: VwmShelfCardIdMismatch (2437)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the configured vwm card id is different than the equipped vwm card.		
<b>Raising condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Clearing condition:</b> (('Assigned VWM Card Type' EQUAL 'Not Provisioned') OR ('Assigned VWM Card Type' EQUAL 'Not Equipped') OR ('administrativeState' EQUAL 'Down'))		
<b>Remedial action:</b> This alarm is raised when the detected VWM shelf card id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM Shelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

**Table 10-167 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 10-168 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



## 11 — Alcatel-Lucent 7210 SAS X alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 11-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 11-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 11-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 11-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 11-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 11-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 11-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.AbstractMultiChassisLag</li> <li>• multichassis.MultiChassisLagMember</li> <li>• multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 11-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 11-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 11-10 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 11-11 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 11-12 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

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Table 11-13 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-14 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 11-15 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 11-16 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 11-17 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 11-18 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

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Table 11-19 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 11-20 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 11-21 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 11-22 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 11-23 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 11-24 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 11-25 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 11-26 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 11-27 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 11-28 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 11-29 EfmOamAlarm**

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 11-30 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 11-31 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 11-32 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 11-33 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-34 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 11-35 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 11-36 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 11-37 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 11-38 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-39 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 11-40 EthernetPortLocalFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 11-41 EthernetPortNoAmLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 11-42 EthernetPortNoBlockLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 11-43 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-44 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-45 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 11-46 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 11-47 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 11-48 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 11-49 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 11-50 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 11-51 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 11-52 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 11-53 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 11-54 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.MultiChassisSync</li> <li>multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mcLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mcLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

Table 11-55 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 11-56 IncorrectPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

**Table 11-57 IncorrectPeerSynchronizationPortConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

**Table 11-58 IncorrectPeerSynchronizationPortEncapRangeConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		

(1 of 2)

Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

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Table 11-59 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 11-60 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

**Table 11-61 InterfaceNeighborDown**

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 11-62 IsisAdjacencyDown**

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

**Table 11-63 IsisDown**

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		



Table 11-64 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 11-65 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 11-66 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 11-67 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-68 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 11-69 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 11-70 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 11-71 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 11-72 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 11-73 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 11-74 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 11-75 LspDown**

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 11-76 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 11-77 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 11-78 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 11-79 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 11-80 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 11-81 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 11-82 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-83 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 11-84 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 11-85 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 11-86 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		



Table 11-87 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 11-88 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

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Table 11-89 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 11-90 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 11-91 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 11-92 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 11-93 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 11-94 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 11-95 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 11-96 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 11-97 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 11-98 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 11-99 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

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Table 11-100 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-101 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 11-102 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 11-103 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 11-104 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 11-105 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-106 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 11-107 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 11-108 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 11-109 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>4.0.0</li> <li>5.0.0</li> <li>6.0.0</li> <li>7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

## 11 – Alcatel-Lucent 7210 SAS X alarms

Table 11-110 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 11-111 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 11-112 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 11-113 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 11-114 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 11-115 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 11-116 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 11-117 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 11-118 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 11-119 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 11-120 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 11-121 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOF'))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 11-122 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 11-123 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 11-124 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 11-125 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 11-126 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 11-127 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 11-128 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		



Table 11-129 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 11-130 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 11-131 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 11-132 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 11-133 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 11-134 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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Table 11-135 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 11-136 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

**Table 11-137 ServiceSiteDown**

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

**Table 11-138 SessionDown**

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

**Table 11-139 ShamLinkDown**

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 11-140 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 11-141 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 11-142 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 11-143 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 11-144 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 11-145 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 11-146 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 11-147 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 11-148 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 11-149 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band Preferred')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 11-150 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

**Table 11-151 TunnelAdministrativelyDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

**Table 11-152 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

**Table 11-153 TunnelDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 11-154 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 11-155 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 11-156 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 11-157 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 11-158 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 11-159 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 11-160 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-161 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 11-162 VwmShelfCardIdMismatch

Alarm	Attributes	Applicable major releases
Name: VwmShelfCardIdMismatch (5660) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VWMCARDSlot	Severity: major Implicitly cleared: true Default probable cause: VwmShelfCardIdMismatch (2437)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the configured vwm card id is different than the equipped vwm card.		
<b>Raising condition:</b> ('administrativeState' EQUAL 'Up')		

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## 11 – Alcatel-Lucent 7210 SAS X alarms

Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Assigned VWM Card Type' EQUAL 'Not Provisioned') OR ('Assigned VWM Card Type' EQUAL 'Not Equipped') OR ('administrativeState' EQUAL 'Down'))		
<b>Remedial action:</b> This alarm is raised when the detected VWM shelf card id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM Shelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

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Table 11-163 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 11-164 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 4.0.0</li> <li>• 5.0.0</li> <li>• 6.0.0</li> <li>• 7.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

## 12 — Alcatel-Lucent 7450 ESS alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 12-1 AaPolicerResourcesExceeded**

Alarm	Attributes	Applicable major releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvr	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when Application Assurance configured override values exceed policer resources.		
<b>Raising condition:</b> (('Policer Resource Status' EQUAL 'Exceeded'))		
<b>Clearing condition:</b> (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
<b>Remedial action:</b> The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 12-2 AarpDown

Alarm	Attributes	Applicable major releases
Name: AarpDown (3704) Type: AarpDown (107) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: major Implicitly cleared: true Default probable cause: aarpDown (1444)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an AARP is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The application assurance redundancy protocol is down either because it is administratively disabled, faulty or a peer address is not up. Ensure that the AARP is administratively up, and the peer ip address and this ip address points to each other.		

Table 12-3 AarpInterfaceDown

Alarm	Attributes	Applicable major releases
Name: AarpInterfaceDown (3904) Type: AarpInterfaceDown (111) Package: service Raised on class: service.AarpInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an AARP interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 12-4 AccessInterfaceDown

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 12-5 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 12-6 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 12-7 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 12-8 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-9 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

**Table 12-10 AsymmetricalConfig (lag)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>lag.MultiChassisLag</li> <li>lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('configMismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 12-11 AsymmetricalConfig (multichassis)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 12-12 AuthKeyConflict (rsvp)**

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

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Table 12-13 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 12-14 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 12-15 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 12-16 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 12-17 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

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Table 12-18 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 12-19 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-20 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 12-21 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 12-22 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 12-23 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

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Table 12-24 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 12-25 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 12-26 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 12-27 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 12-28 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 12-29 CcagDown

Alarm	Attributes	Applicable major releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-30 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-31 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-32 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-33 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-34 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 12-35 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-36 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-37 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 12-38 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 12-39 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 12-40 CoherentOpticalModuleFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleFault (4612) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfgr	Severity: major Implicitly cleared: true Default probable cause: ModuleFault (1881)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports module fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
<b>Remedial action:</b> Module Fault occurred.		

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Table 12-41 CoherentOpticalModuleHostTxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleHostTxFault (4613) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleHostTxFault (1882)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Host Tx Fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
<b>Remedial action:</b> Module Host Tx Fault occurred.		

Table 12-42 CoherentOpticalModuleReferenceLockLoss

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleReferenceLockLoss (4614) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: ReferenceLockLoss (1883)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports loss of reference lock signal on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
<b>Remedial action:</b> Loss of reference lock.		

Table 12-43 CoherentOpticalModuleRxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleRxFault (4615) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: critical Implicitly cleared: true Default probable cause: CoherentModuleRxFault (1884)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Rx Fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))))		
<b>Remedial action:</b> Module Rx Fault occurred.		

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Table 12-44 CoherentOpticalModuleTxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleTxFault (4616) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleTxFault (1885)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Tx Fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
<b>Remedial action:</b> Module Tx Fault occurred.		

Table 12-45 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 12-46 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 12-47 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 12-48 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		



**Table 12-49 ConfigurationRollBackFileSyncStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

**Table 12-50 ConfigurationRollBackSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

**Table 12-51 ConfigurationRollBackStatus (netw)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 12-52 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 12-53 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-54 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 12-55 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

**Table 12-56 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

**Table 12-57 CpmProtectionExceedEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

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Table 12-58 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 12-59 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 12-60 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 12-61 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 12-62 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

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Table 12-63 DDMAux1HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-64 DDMAux1HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-65 DDMAux1LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-66 DDMAux1LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-67 DDMAux2HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-68 DDMAux2HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

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Table 12-69 DDMAux2LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-70 DDMAux2LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-71 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 12-72 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-73 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-74 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-75 DDMSupplyVoltageHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-76 DDMSupplyVoltageHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-77 DDMSupplyVoltageLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-78 DDMSupplyVoltageLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-79 DDMTemperatureHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-80 DDMTemperatureHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-81 DDMTemperatureLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-82 DDMTemperatureLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-83 DDMTxBiasCurrentHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-84 DDMTxBiasCurrentHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-85 DDMTxBiasCurrentLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-86 DDMTxBiasCurrentLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-87 DDMTxOutputPowerHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-88 DDMTxOutputPowerHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 12-89 DDMTxOutputPowerLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-90 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 12-91 DHCPPOOLFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPPOOLFailoverStateChange (5168) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPPOOLFailoverStateChanged (2088)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Pool Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when the operational state of a particular Local DHCP Pool Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a pool failover is in progress. This alarm is cleared implicitly when the DHCP Pool Failover state returns to Normal.		

Table 12-92 DHCPSEVERFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPSEVERFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSEVERFailoverStateChanged (2041)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

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Table 12-93 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-94 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 12-95 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 12-96 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 12-97 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 12-98 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

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Table 12-99 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 12-100 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 12-101 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 12-102 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 12-103 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 12-104 DS3E3OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 12-105 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 12-106 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 12-107 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-108 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 12-109 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 12-110 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-111 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 12-112 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 12-113 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 12-114 EthCSF

Alarm	Attributes	Applicable major releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

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Table 12-115 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 12-116 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		



Table 12-117 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-118 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-119 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 12-120 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 12-121 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-122 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-123 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 12-124 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 12-125 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 12-126 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 12-127 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

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Table 12-128 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 12-129 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 12-130 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 12-131 GRE TunnelDown

Alarm	Attributes	Applicable major releases
Name: GRE TunnelDown (3326) Type: serviceAlarm (16) Package: svt Raised on class: svt.GRETunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP/GRE tunnel Operational State changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The situation may occur if the underlying physical port is down either because of administrative disabling or a fault on the port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable.		

Table 12-132 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

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Table 12-133 GroupInterfaceDown

Alarm	Attributes	Applicable major releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 12-134 IGHMisconfigured

Alarm	Attributes	Applicable major releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
<b>Raising condition:</b> (('igh_misconfigured' EQUAL "\"yes\"") AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('igh_misconfigured' NOT EQUAL "\"yes\"") OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the configuration.		

Table 12-135 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

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Table 12-136 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 12-137 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 12-138 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

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Table 12-139 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 12-140 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('MC EndPoint Group Pointer' EQUAL '\')		
<b>Clearing condition:</b> ('MC EndPoint Group Pointer' NOT EQUAL '\')		
<b>Remedial action:</b> The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

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Table 12-141 IncorrectNeighborConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
<b>Raising condition:</b> (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
<b>Clearing condition:</b> (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
<b>Remedial action:</b> Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 12-142 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 12-143 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

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**Table 12-144 IncorrectPeerSynchronizationPortEncapRangeConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

**Table 12-145 InstanceDown (srrp)**

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configuration of the instance		

**Table 12-146 InstanceDown (vrrp)**

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

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Table 12-147 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 12-148 InterfaceDown (service)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 12-149 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 12-150 InterfaceDown (vprn)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 12-151 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 12-152 IOMEventOverflow

Alarm	Attributes	Applicable major releases
Name: IOMEventOverflow (5617) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: critical Implicitly cleared: true Default probable cause: IOMEventOverflow (2384)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when tmnxlomResStateClr, tmnxlomResExhausted and tmnxlomResHighLimitReached occur more than 200 times because of resource usage fluctuation. The IOM raises the final trap to indicate overflow and stops logging traps.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the CPM polls the IOM for traps and the overflow is cleared by logging an overflow-clear on a particular card.		

Table 12-153 IOMResUtilizationLimit

Alarm	Attributes	Applicable major releases
Name: IOMResUtilizationLimit (5618) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: major Implicitly cleared: true Default probable cause: IOMResHighLimitReached (2385) Applicable probable causes: <ul style="list-style-type: none"> <li>IOMResHighLimitReached</li> <li>IOMResExhausted</li> </ul>	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when the type of resources on IOM as specified by tmnxlomResourceType has reached the value of tmnxlomResourceLimitPct.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the type of resources on IOM as specified by tmnxlomResourceType has dropped back down below the value of tmnxlomResourceLimitPct.		

Table 12-154 IPSecGatewayDown

Alarm	Attributes	Applicable major releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

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Table 12-155 IPSeclsaGrpDown

Alarm	Attributes	Applicable major releases
Name: IPSeclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSeclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSeclsaGrpDown (1480)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPsec(Tunnel) Group.		

Table 12-156 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 12-157 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 12-158 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 12-159 IPSecTunnelDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the IPsec tunnel operational state changes to 'down' and the administrative state is 'up'.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		



Table 12-160 IsaAaGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 12-161 IsaAaSubUnassigned

Alarm	Attributes	Applicable major releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
<b>Raising condition:</b> (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
<b>Remedial action:</b> The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

Table 12-162 IsaLnsGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

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Table 12-163 IsaVideoGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

Table 12-164 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 12-165 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 12-166 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 12-167 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

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Table 12-168 L2TPDown

Alarm	Attributes	Applicable major releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
<b>Raising condition:</b> ('Administrative State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Administrative State' EQUAL 'Up')		
<b>Remedial action:</b> This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 12-169 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 12-170 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 12-171 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 12-172 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

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Table 12-173 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 12-174 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 12-175 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 12-176 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 12-177 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-178 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Remedial action:</b> Informational only.		

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Table 12-179 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 12-180 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		



Table 12-181 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 12-182 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 12-183 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 12-184 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 12-185 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 12-186 LSRPATHDown

Alarm	Attributes	Applicable major releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

Table 12-187 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 12-188 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 12-189 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

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Table 12-190 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTlsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 12-191 McIPsecPeerTunnelGroupMissing

Alarm	Attributes	Applicable major releases
Name: McIPsecPeerTunnelGroupMissing (4815) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.McPeerIPsecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC IPsec tunnel group. This can be either the peer tunnel group is misconfigured or the local peer group ID is not configured.		
<b>Raising condition:</b> ('peerTunnelGroupPointer' EQUAL '\')		
<b>Clearing condition:</b> ('peerTunnelGroupPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC IPsec tunnel group or check the local tunnel group's peer group ID has been configured, or delete this one if it is not used.		

Table 12-192 McIPsecTunnelGroupDown

Alarm	Attributes	Applicable major releases
Name: McIPsecTunnelGroupDown (4816) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.McPeerIPsecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecTunnelGroupDown (1901)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC IPsec tunnel group is operationally down while it is administratively up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check if the physical ISA IPsec Tunnel Group or the associated MDA is operationally down.		

Table 12-193 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 12-194 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 12-195 MCPeerEPDown

Alarm	Attributes	Applicable major releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC endpoint is operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Bring up the all End Point Members.		

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Table 12-196 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 12-197 MigrationCompleted

Alarm	Attributes	Applicable major releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a card migration event completes.		
<b>Raising condition:</b> ('Status' EQUAL 'Migration completed')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-198 MigrationFailed

Alarm	Attributes	Applicable major releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a card migration event fails.		
<b>Raising condition:</b> (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
<b>Remedial action:</b> This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backup could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 12-199 MissingLocalEntry

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 12-200 MldDown

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

Table 12-201 MldMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldMaxGrpSrcsLimitExceeded (5395) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxGrpSrcsLimitExceeded (2110)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an MLD group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number of Group Sources' attribute in the parent MLD interface so that the number of active MLD group sources stays under the configured threshold.		

Table 12-202 MldMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldMaxSrcsLimitExceeded (5396) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxSrcsLimitExceeded (2111)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an MLD source for a group when the number of sources for this group is equal to 'maxSources', the Maximum Number of Sources per group supported on the interface.		
<b>Remedial action:</b> Increase 'Maximum Number Of Sources' value to allow more sources on this interface.		

Table 12-203 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		



Table 12-204 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 12-205 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 12-206 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
<b>Remedial action:</b> Informational		

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Table 12-207 MsdpDown

Alarm	Attributes	Applicable major releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the MSDP site.		

Table 12-208 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 12-209 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 12-210 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 12-211 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

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Table 12-212 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 12-213 NatDeterministicChange

Alarm	Attributes	Applicable major releases
Name: NatDeterministicChange (5122) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: false Default probable cause: NatDeterministicMapChanged (2056)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when something changed in the Deterministic NAT map. Such a change may be caused by a modification of the Deterministic NAT Prefix or the Deterministic NAT Map.		
<b>Remedial action:</b> Managers that rely on the offline representation of the Deterministic NAT map should get an updated copy by saving the Deterministic NAT script.		

Table 12-214 NatIsaGrpDegraded

Alarm	Attributes	Applicable major releases
Name: NatIsaGrpDegraded (8059) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDegraded (2460)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the NAT ISA group is degraded, while operationally still in service.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Degraded State' EQUAL 'True') AND ('Operational State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Up') OR ('Degraded State' NOT EQUAL 'True'))		
<b>Remedial action:</b> The ISA-NAT Group is degraded. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

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Table 12-215 NatIsaGrpDown

Alarm	Attributes	Applicable major releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 12-216 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 11.0</li> </ul>
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 12-217 NatLsnSubscriberIcmpPortUsqHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsqHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

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Table 12-218 NatLsnSubscriberSessionUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>11.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 12-219 NatLsnSubscriberSessionUsgHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsgHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 12-220 NatLsnSubscriberTcpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>11.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 12-221 NatLsnSubscriberTcpPortUsqHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsqHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 12-222 NatLsnSubscriberUdpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>11.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 12-223 NatLsnSubscriberUdpPortUsqHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsqHigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

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Table 12-224 NatMdaDetectsLoadSharingError

Alarm	Attributes	Applicable major releases
Name: NatMdaDetectsLoadSharingError (5120) Type: configurationAlarm (11) Package: nat Raised on class: nat.IsaMda	Severity: minor Implicitly cleared: false Default probable cause: NatMdaLoadSharingErrorDetected (2055)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when node is sending periodically at most every 10 seconds while a NAT ISA MDA detects that it is receiving packets erroneously, due to incorrect load-balancing by the ingress IOM. The MDA drops all incorrectly load-balanced traffic.		
<b>Remedial action:</b> The ingress IOM hardware does not support a particular NAT function's load-balancing, for example an IOM-2 does not support deterministic NAT. Upgrade the ingress IOM, or change the configuration.		

Table 12-225 NatPcpSrvStateDown

Alarm	Attributes	Applicable major releases
Name: NatPcpSrvStateDown (4382) Type: communicationsAlarm (4) Package: nat Raised on class: nat.PcpServer	Severity: major Implicitly cleared: true Default probable cause: NatPcpSrvStateDown (1566)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an NAT PCP Server Changes		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates the PCP Server Operational State is Down. Please check the State Description on the PCP server for detail information		

Table 12-226 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		



Table 12-227 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 12-228 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 12-229 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 12-230 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 12-231 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 12-232 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 12-233 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 12-234 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

**Table 12-235 ObsoleteProtocolInFilter**

Alarm	Attributes	Applicable major releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
<b>Remedial action:</b> Change the application filter configuration to use a protocol that is not Obsolete.		

**Table 12-236 OFFlowEntryDeploymentCreateFailed**

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Creation Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Creation Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects creation of the flow.		

**Table 12-237 OFFlowEntryDeploymentDeleteFailed**

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Deletion Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

Table 12-238 OFLogicalPortStatusMplsTpNotSet

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
<b>Remedial action:</b> When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

Table 12-239 OFLogicalPortStatusRsvpTeNotSet

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
<b>Remedial action:</b> When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 12-240 OFSwitchDown

Alarm	Attributes	Applicable major releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch has gone down.		

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Table 12-241 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 12-242 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 12-243 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 12-244 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 12-245 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 12-246 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

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Table 12-247 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
<b>Raising condition:</b> (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
<b>Clearing condition:</b> (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configurations of the peer routers.		

Table 12-248 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		



Table 12-249 PeerDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('administrativeState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Peer.		

Table 12-250 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-251 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Group.		

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Table 12-252 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 12-253 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 12-254 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 12-255 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 12-256 PoolDepleted

Alarm	Attributes	Applicable major releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

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Table 12-257 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 12-258 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 12-259 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 12-260 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 12-261 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 12-262 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 12-263 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 12-264 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-265 PTPClockNoMasterAlarm

Alarm	Attributes	Applicable major releases
Name: PTPClockNoMasterAlarm (3604) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: major Implicitly cleared: true Default probable cause: PTPClockNoMaster (1393)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when Precision Timing Protocol (PTP) clock does not support PTP timing master.		
<b>Remedial action:</b> Informational- Please verify master clock configuration for timing.		

Table 12-266 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 12-267 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

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Table 12-268 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 12-269 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 12-270 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOF'))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		



**Table 12-271 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 12-272 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 12-273 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 12-274 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 12-275 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 12-276 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 12-277 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 12-278 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

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Table 12-279 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 12-280 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 12-281 RPKISessionNotEstablished

Alarm	Attributes	Applicable major releases
Name: RPKISessionNotEstablished (8136) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.RpkiSession	Severity: major Implicitly cleared: true Default probable cause: RPKISessionNotEstablished (2532)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the RPKI Session is not established.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Session State' NOT EQUAL 'Established'))		
<b>Clearing condition:</b> (('Session State' EQUAL 'Established'))		
<b>Remedial action:</b> Make sure that the Cache server is reachable and is configured properly.		

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Table 12-282 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 12-283 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

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Table 12-284 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 12-285 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 12-286 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

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Table 12-287 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 12-288 SapDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

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Table 12-289 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-290 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 12-291 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

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Table 12-292 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 12-293 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

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Table 12-294 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 12-295 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-296 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 12-297 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 12-298 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 12-299 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 12-300 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 12-301 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 12-302 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 12-303 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 12-304 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-305 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-306 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 12-307 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 12-308 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

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Table 12-309 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-310 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-311 SpbAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

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Table 12-312 SpbInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 12-313 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

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Table 12-314 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 12-315 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 12-316 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 12-317 SubHostLcktLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tmnxSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the system wide maximum number of lockout hosts is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 12-318 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 12-319 SubnetDepleted

Alarm	Attributes	Applicable major releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

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Table 12-320 SubscriberInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 12-321 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 12-322 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 12-323 svcMacFdbTabelFull

Alarm	Attributes	Applicable major releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the system limit of FDB records is reached.		
<b>Remedial action:</b> The alarm is raised when system limit of FDB records is reached.		

Table 12-324 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 12-325 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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Table 12-326 TPLSPDown

Alarm	Attributes	Applicable major releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 12-327 TPLSPPATHDown

Alarm	Attributes	Applicable major releases
Name: TPLSPPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPPATHDown (1958)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 12-328 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 12-329 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 12-330 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 12-331 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 12-332 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

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Table 12-333 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 12-334 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

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Table 12-335 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 12-336 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 12-337 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 12-338 UnrecommendedNAT64DestinationPrefix

Alarm	Attributes	Applicable major releases
Name: UnrecommendedNAT64DestinationPrefix (8060) Type: configurationAlarm (11) Package: nat Raised on class: nat.Nat64Config	Severity: warning Implicitly cleared: true Default probable cause: unrecommendedConfiguration (2461)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the bits [64-71] of NAT64 destination prefix are non-zero for prefix length of 96.		
<b>Raising condition:</b> (('NAT Destination Prefix Length' EQUAL '96') AND ('NAT Destination Prefix' NOT EQUAL "[0-9A-F]{1,4}:[0-9A-F]{1,2}:[0-9A-F]{1,4}]{3}"))		
<b>Clearing condition:</b> (('NAT Destination Prefix Length' NOT EQUAL '96') OR ('NAT Destination Prefix' EQUAL "[0-9A-F]{1,4}:[0-9A-F]{1,2}:[0-9A-F]{1,4}]{3}"))		
<b>Remedial action:</b> When using a prefix length 96, set the bits [64-71] of NAT64 Destination Prefix as zero.		

Table 12-339 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 12-340 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-341 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 12-342 VideoInterfaceDown

Alarm	Attributes	Applicable major releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 12-343 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 12-344 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 12-345 VRtrIfDDosDynamicExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>

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## 12 — Alcatel-Lucent 7450 ESS alarms

Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

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Table 12-346 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 12-347 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

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Table 12-348 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))))		
<b>Remedial action:</b> The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 12-349 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))))		
<b>Remedial action:</b> A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

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Table 12-350 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-351 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
<b>Remedial action:</b> check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.		

Table 12-352 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

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Table 12-353 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 12-354 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 12-355 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 12-356 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

## 13 — Alcatel-Lucent 7701 CPAA alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 13-1 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

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Table 13-2 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 13-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 13-4 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

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Table 13-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 13-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 13-7 BgpASAdminDomainNumberMismatch

Alarm	Attributes	Applicable major releases
Name: BgpASAdminDomainNumberMismatch (427) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: configuredASNotMatchBgpASAdminDomain (338)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a 7701 CPAA BGP AS does not match the BGP AS administrative domain.		
<b>Raising condition:</b> ('BGP AS Number Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('BGP AS Number Mismatch' EQUAL 'false')		
<b>Remedial action:</b> The configured AS number for BGP AS and Sub-AS should match the configured values on the CPAA.		

Table 13-8 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-9 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 13-10 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 13-11 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 13-12 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 13-13 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 13-14 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		



Table 13-15 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 13-16 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 13-17 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 13-18 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 13-19 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 13-20 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 13-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-22 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 13-23 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 13-24 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 13-25 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 13-26 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 13-27 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 13-28 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-29 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 13-30 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 13-31 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-32 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 13-33 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 13-34 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 13-35 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		



Table 13-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 13-37 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 13-38 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\\"'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\\"'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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**Table 13-39 InterfaceDown (netw)**

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

**Table 13-40 InterfaceNeighborDown**

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-41 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 13-42 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 13-43 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

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Table 13-44 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 13-45 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 13-46 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 13-47 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-48 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 13-49 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 13-50 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-51 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 13-52 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 13-53 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 13-54 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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**Table 13-55 NodeRebooted**

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 13-56 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 13-57 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		



Table 13-58 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 13-59 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-60 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 13-61 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 13-62 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 13-63 PeerGroupDown (bgp)**

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 13-64 PersistentIndexParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

**Table 13-65 PollerProblem**

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 13-66 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 13-67 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 13-68 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-69 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 13-70 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 13-71 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 13-72 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 13-73 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 13-74 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 13-75 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 13-76 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

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Table 13-77 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 13-78 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 13-79 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

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Table 13-80 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 13-81 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 13-82 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 13-83 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 13-84 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 13-85 TooManyCpaaForIsisLevel2

Alarm	Attributes	Applicable major releases
Name: TooManyCpaaForIsisLevel2 (384) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaForIsisLevel2 (288)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when there are too many 7701 CPAAs for IS-IS level 2.		
<b>Raising condition:</b> ('Too Many CPAAs (ISIS Level 2)' EQUAL 'true')		
<b>Clearing condition:</b> ('Too Many CPAAs (ISIS Level 2)' EQUAL 'false')		
<b>Remedial action:</b> Check the configuration of CPAA and make sure there is at most one CPAA configured for ISIS level 2 within an administrative domain.		

Table 13-86 TooManyCpaaPerOspfArea

Alarm	Attributes	Applicable major releases
Name: TooManyCpaaPerOspfArea (383) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPerOspfArea (287)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when there are too many 7701 CPAAs for an OSPF area.		
<b>Raising condition:</b> ('Too Many CPAAs (OSPF Area)' EQUAL 'true')		
<b>Clearing condition:</b> ('Too Many CPAAs (OSPF Area)' EQUAL 'false')		
<b>Remedial action:</b> Check the configuration of CPAA and make sure there is at most one CPAA configured for an OSPF area within an administrative domain.		

Table 13-87 TooManyCpaaPerOspfv3Area

Alarm	Attributes	Applicable major releases
Name: TooManyCpaaPerOspfv3Area (4397) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPerOspfv3Area (1574)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when there are too many 7701 CPAAs for an OSPF area.		
<b>Raising condition:</b> ('Too Many CPAAs (OSPFv3 Area)' EQUAL 'true')		
<b>Clearing condition:</b> ('Too Many CPAAs (OSPFv3 Area)' EQUAL 'false')		
<b>Remedial action:</b> Check the configuration of CPAA and make sure there is at most one CPAA configured for an OSPFv3 area within an administrative domain.		

Table 13-88 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.0</li> <li>7.0</li> <li>8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 13-89 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.0</li> <li>7.0</li> <li>8.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 13-90 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 13-91 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 13-92 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		

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## 13 – Alcatel-Lucent 7701 CPAA alarms

Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 13-93 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 13-94 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 13-95 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 13-96 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 13-97 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 7.0</li> <li>• 8.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		





## 14 — Alcatel-Lucent 7705 SAR alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 14-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 14-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 14-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 14-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 14-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 14-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 14-7 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.AbstractMultiChassisLag</li> <li>• multichassis.MultiChassisLagMember</li> <li>• multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		

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## 14 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 14-8 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 14-9 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 14-10 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 14-11 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 14-12 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

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Table 14-13 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 14-14 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 14-15 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 14-16 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 14-17 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

**Table 14-18 BITSReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

**Table 14-19 BITSReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 14-20 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		



Table 14-21 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 14-22 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 14-23 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 14-24 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 14-25 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-26 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-27 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-28 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 14-29 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-30 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-31 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-32 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 14-33 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 14-34 ConcurrentSessionExceedsHigh

Alarm	Attributes	Applicable major releases
Name: ConcurrentSessionExceedsHigh (5401) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		
<b>Remedial action:</b> This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		

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Table 14-35 ConcurrentSessionExhausted

Alarm	Attributes	Applicable major releases
Name: ConcurrentSessionExhausted (5402) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'.		
<b>Remedial action:</b> This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		

Table 14-36 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 14-37 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 14-38 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 14-39 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 14-40 DataChannelAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DataChannelAlarmIndicationSignal (3944) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an AIS alarm condition.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> The Cpipe Service running on this CODIR VT card need fixing. Make the Cpipe error free.		

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Table 14-41 DataChannelLossOfSignal

Alarm	Attributes	Applicable major releases
Name: DataChannelLossOfSignal (3946) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an LOS condition.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))))		
<b>Remedial action:</b> The Cpipe Service running on this VT card need fixing. Make the Cpipe error free.		

Table 14-42 DataChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major releases
Name: DataChannelRemoteAlarmIndication (3947) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an RAI condition.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))))		
<b>Remedial action:</b> The Cpipe Service running on this TPIF VT card need fixing. Make the Cpipe error free.		



Table 14-43 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 14-44 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 14-45 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 14-46 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 14-47 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 14-48 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

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Table 14-49 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 14-50 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

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Table 14-51 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 14-52 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 14-53 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 14-54 DS3E3OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 14-55 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

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Table 14-56 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 14-57 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 14-58 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 14-59 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 14-60 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-61 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 14-62 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 14-63 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 14-64 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 14-65 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-66 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 14-67 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-68 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-69 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 14-70 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-71 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 14-72 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 14-73 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 14-74 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 14-75 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 14-76 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 14-77 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 14-78 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 14-79 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 14-80 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 14-81 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 14-82 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

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Table 14-83 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 14-84 IncorrectNeighborConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
<b>Raising condition:</b> (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
<b>Clearing condition:</b> (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
<b>Remedial action:</b> Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 14-85 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		



Table 14-86 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 14-87 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 14-88 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 14-89 IPSecIsaGrpDown

Alarm	Attributes	Applicable major releases
Name: IPSecIsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSecIsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSecIsaGrpDown (1480)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA IPSec group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPSec(Tunnel) Group.		

Table 14-90 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 14-91 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 14-92 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 14-93 IPSecTunnelDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the IPsec tunnel operational state changes to 'down' and the administrative state is 'up'.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

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Table 14-94 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 14-95 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 14-96 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 14-97 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 14-98 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 14-99 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 14-100 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 14-101 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 14-102 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 14-103 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 14-104 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 14-105 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 14-106 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-107 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
<b>Remedial action:</b> Informational only.		

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Table 14-108 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 14-109 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 14-110 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 14-111 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 14-112 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 14-113 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 14-114 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 14-115 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

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Table 14-116 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 14-117 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 14-118 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

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Table 14-119 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 14-120 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 14-121 MldDown

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

Table 14-122 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 14-123 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 14-124 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 14-125 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 14-126 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 14-127 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 14-128 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		



Table 14-129 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 14-130 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 14-131 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 14-132 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 14-133 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 14-134 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 14-135 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 14-136 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 14-137 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 14-138 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 14-139 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-140 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-141 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 14-142 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 14-143 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 14-144 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 14-145 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 14-146 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 14-147 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 14-148 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 14-149 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		



Table 14-150 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 14-151 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 14-152 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

**Table 14-153 PTPNotQualified**

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 14-154 PTPPeerLossOfAnnounce**

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

**Table 14-155 PTPPeerLossOfSync**

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 14-156 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 14-157 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

Table 14-158 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

## 14 – Alcatel-Lucent 7705 SAR alarms

Table 14-159 RadioNoDbFile

Alarm	Attributes	Applicable major releases
Name: RadioNoDbFile (4905) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: warning Implicitly cleared: true Default probable cause: NoDbFile (1961)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when SAR is not able detect the radio database file specified.		
<b>Raising condition:</b> ('Oper Flag'anyBit'No Database File')		
<b>Clearing condition:</b> NOT (('Oper Flag'anyBit'No Database File'))		
<b>Remedial action:</b> Please place a valid MPT radio database file in the SAR compact flash or do /admin save/ for the file to be created.		

Table 14-160 RadioNotPresent

Alarm	Attributes	Applicable major releases
Name: RadioNotPresent (4845) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: RadioNotDetected (1923)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a microwave radio device is no longer detected.		
<b>Raising condition:</b> ('Oper Flag'anyBit'Radio Not Present')		
<b>Clearing condition:</b> NOT (('Oper Flag'anyBit'Radio Not Present'))		
<b>Remedial action:</b> This notifications reports the management session to the MPR-e has been lost and the MPR-e is no longer reachable. Likely the MPR-e is resetting or has not yet connected to 7705 after a 7705 system or MDA reset.		

Table 14-161 RadioSoftwareDownloadFailed

Alarm	Attributes	Applicable major releases
Name: RadioSoftwareDownloadFailed (4847) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.RadioPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SoftwareDownloadFailure (1924)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when software download fails		
<b>Raising condition:</b> ('Software State'anyBit'Download Failed')		
<b>Clearing condition:</b> NOT (('Software State'anyBit'Download Failed'))		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 14-162 RadioSoftwarePackageMissing

Alarm	Attributes	Applicable major releases
Name: RadioSoftwarePackageMissing (4870) Type: NoValidRadioSoftwareFound (131) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: NoValidRadioSoftwareFound (1937)	<ul style="list-style-type: none"> <li>6.0</li> </ul>
<b>Description:</b> This alarm is raised when SAR is missing a valid MPR-e SW package in SAR compact flash.		
<b>Remedial action:</b> This is raised when SAR is missing the MPR-e SW package in SAR compact Flash; remedial action is to download the SAR SW bundle including MPR-e package; likely someone removed explicitly MPR-e SW package folder or downloaded the wrong SAR SW bundle to the node		

Table 14-163 RadioTxMuted

Alarm	Attributes	Applicable major releases
Name: RadioTxMuted (4849) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: RadioTransmitterMuted (1926)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when microwave radio transmitter changes state.		
<b>Raising condition:</b> ('Oper Flag'anyBit'Tx Muted')		
<b>Clearing condition:</b> NOT (('Oper Flag'anyBit'Tx Muted'))		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 14-164 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

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Table 14-165 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 14-166 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 14-167 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 14-168 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 14-169 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

## 14 – Alcatel-Lucent 7705 SAR alarms

Table 14-170 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 14-171 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 14-172 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		



Table 14-173 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 14-174 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-175 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

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## 14 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 14-176 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 14-177 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 14-178 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 14-179 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 14-180 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 14-181 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 14-182 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 14-183 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-184 SerialChannelOutOfFrame

Alarm	Attributes	Applicable major releases
Name: SerialChannelOutOfFrame (808) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a serial channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))))		
<b>Remedial action:</b> The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

Table 14-185 SerialChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major releases
Name: SerialChannelRemoteAlarmIndication (809) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a serial channel has an RAI condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))))		
<b>Remedial action:</b> The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

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Table 14-186 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 14-187 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 14-188 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 14-189 SoftwareDownloadInProgress

Alarm	Attributes	Applicable major releases
Name: SoftwareDownloadInProgress (4850) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.RadioPortSpecifics	Severity: info Implicitly cleared: true Default probable cause: RadioSoftwareDownloadInProgress (1927)	<ul style="list-style-type: none"> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when radio software download is in progress - Software download is requested or a forced download is triggered.		
<b>Raising condition:</b> ('Software State'anyBit'In Progress')		
<b>Clearing condition:</b> NOT (('Software State'anyBit'In Progress'))		
<b>Remedial action:</b> This is alarm for information only.Informational - no corrective action required.		

Table 14-190 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 14-191 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-192 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		



Table 14-193 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-194 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 14-195 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

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Table 14-196 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-197 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-198 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 14-199 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 14-200 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

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Table 14-201 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 14-202 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 14-203 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 14-204 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 14-205 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 14-206 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 14-207 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 14-208 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 14-209 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 14-210 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		

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## 14 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

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Table 14-211 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 14-212 TwampRefInactivityTimeout

Alarm	Attributes	Applicable major releases
Name: TwampRefInactivityTimeout (4969) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPReflectorInactivityTimeout (2024)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> tmnxTwampSrvNotifClientAddrType, tmnxTwampSrvNotifClientAddr, aluTwampRefNotifLocalAddrType, aluTwampRefNotifLocalAddr, aluTwampRefNotifLocalPort, aluTwampRefNotifRemoteAddrType, aluTwampRefNotifRemoteAddr, aluTwampRefNotifRemotePort The alarm is raised when a TWAMP test session was disconnected by the TWAMP Reflector because the session was inactive for a period exceeding the reflector's inactivity timeout (Reflector Test Session Timeout). The TWAMP reflector cannot receive any traffic on the disconnected session. RECOVERY - Check the IP connectivity between this reflector and the TWAMP client.		
<b>Remedial action:</b> Verify the value of the ref-inactivity-timeout and modify it according to the operational needs.		



Table 14-213 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 14-214 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 14-215 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		

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## 14 – Alcatel-Lucent 7705 SAR alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 14-216 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 14-217 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 14-218 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 14-219 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 14-220 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 14-221 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 14-222 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

## 15 — Alcatel-Lucent 7705 SAR H alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 15-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 15-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 15-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 15-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 15-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 15-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 15-7 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>5.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		

(1 of 2)

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

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Table 15-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 15-9 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		



Table 15-10 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 15-11 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 15-12 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 15-13 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 15-14 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-15 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 15-16 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 15-17 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 15-18 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

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Table 15-19 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 15-20 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 15-21 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 15-22 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 15-23 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 15-24 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-25 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-26 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-27 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-28 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-29 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 15-30 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-31 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 15-32 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		



Table 15-33 ConcurrentSessionExceedsHigh

Alarm	Attributes	Applicable major releases
Name: ConcurrentSessionExceedsHigh (5401) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		
<b>Remedial action:</b> This alarm is raised when the concurrent security session count exceeds its high watermark. Cleared when it reaches its low watermark again; the watermarks are derived from the limit specified in hi-water-mark and low-water-mark.		

Table 15-34 ConcurrentSessionExhausted

Alarm	Attributes	Applicable major releases
Name: ConcurrentSessionExhausted (5402) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'.		
<b>Remedial action:</b> This alarm is raised when the concurrent security session count reaches the system limit. The concurrent session limit can be read in 'Concurrent Active Session Limit'		

Table 15-35 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 15-36 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 15-37 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 15-38 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 15-39 DataChannelAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DataChannelAlarmIndicationSignal (3944) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Alarm Indication Signal') AND ('Report Alarm'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> The Cpipe Service running on this CODIR VT card need fixing. Make the Cpipe error free.		

Table 15-40 DataChannelLossOfSignal

Alarm	Attributes	Applicable major releases
Name: DataChannelLossOfSignal (3946) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an LOS condition.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Loss Of Signal') AND ('Report Alarm'anyBit'Loss Of Signal'))))		
<b>Remedial action:</b> The Cpipe Service running on this VT card need fixing. Make the Cpipe error free.		

Table 15-41 DataChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major releases
Name: DataChannelRemoteAlarmIndication (3947) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a data channel has an RAI condition.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Alarm Indication') AND ('Report Alarm'anyBit'Remote Alarm Indication'))))		
<b>Remedial action:</b> The Cpipe Service running on this TPIF VT card need fixing. Make the Cpipe error free.		

Table 15-42 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 15-43 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 15-44 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Remedial action:</b> Informational only.		

Table 15-45 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 15-46 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 15-47 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 15-48 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Remedial action:</b> Informational only.		

Table 15-49 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> Informational only.		

Table 15-50 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 15-51 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 15-52 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 15-53 DS3E3OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
<b>Remedial action:</b> Informational only.		

Table 15-54 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		



Table 15-55 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 15-56 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 15-57 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

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Table 15-58 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-59 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 15-60 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 15-61 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 15-62 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 15-63 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-64 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-65 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 15-66 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-67 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 15-68 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-69 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 15-70 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 15-71 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 15-72 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 15-73 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 15-74 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 15-75 FWSessionExceededAlarm

Alarm	Attributes	Applicable major releases
Name: FWSessionExceededAlarm (4619) Type: firewallAlarm (128) Package: firewall Raised on class: firewall.Site	Severity: critical Implicitly cleared: true Default probable cause: FWMaxSessionExceeded (1889)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when Max Sessions for firewall is exceeded.		
<b>Raising condition:</b> (('Total Sessions' EQUAL '10000'))		
<b>Clearing condition:</b> (('Total Sessions' NOT EQUAL '10000'))		
<b>Remedial action:</b> Please reduce the number of currently running sessions on Firewall.		



Table 15-76 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 15-77 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 15-78 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

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Table 15-79 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 15-80 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 15-81 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

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Table 15-82 IPSEclsaGrpDown

Alarm	Attributes	Applicable major releases
Name: IPSEclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSEclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSEclsaGrpDown (1480)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPsec(Tunnel) Group.		

Table 15-83 IPSEctunnelBfdConnectionBroken

Alarm	Attributes	Applicable major releases
Name: IPSEctunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSEctunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 15-84 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 15-85 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 15-86 IPSecTunnelDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the IPsec tunnel operational state changes to 'down' and the administrative state is 'up'.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

Table 15-87 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 15-88 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 15-89 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 15-90 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 15-91 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 15-92 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 15-93 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 15-94 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 15-95 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

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Table 15-96 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 15-97 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Remedial action:</b> Informational only.		

Table 15-98 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 15-99 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the Irdi alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
<b>Remedial action:</b> Informational only.		

Table 15-100 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 15-101 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 15-102 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 15-103 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 15-104 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 15-105 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 15-106 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 15-107 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 15-108 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 15-109 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 15-110 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 15-111 MldDown

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

Table 15-112 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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Table 15-113 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 15-114 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 15-115 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 15-116 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-117 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 15-118 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 15-119 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 15-120 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		



Table 15-121 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 15-122 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 15-123 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

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Table 15-124 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-125 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 15-126 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 15-127 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 15-128 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 15-129 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-130 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 15-131 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 15-132 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 15-133 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 15-134 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 15-135 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 15-136 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 15-137 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 15-138 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 15-139 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 15-140 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 15-141 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		



Table 15-142 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 15-143 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 15-144 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 15-145 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 15-146 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

Table 15-147 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 15-148 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 15-149 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 15-150 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 15-151 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 15-152 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 15-153 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 15-154 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 15-155 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

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Table 15-156 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 15-157 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 15-158 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-159 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 15-160 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 15-161 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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Table 15-162 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 15-163 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		



Table 15-164 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-165 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 15-166 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 15-167 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-168 SerialChannelOutOfFrame

Alarm	Attributes	Applicable major releases
Name: SerialChannelOutOfFrame (808) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a serial channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'HCM Out Of Frame') AND ('Report Alarms'anyBit'HCM Out Of Frame'))		
<b>Remedial action:</b> The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

Table 15-169 SerialChannelRemoteAlarmIndication

Alarm	Attributes	Applicable major releases
Name: SerialChannelRemoteAlarmIndication (809) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: remoteAlarmIndication (574)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a serial channel has an RAI condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'HCM Remote Alarm Indication') AND ('Report Alarms'anyBit'HCM Remote Alarm Indication'))))		
<b>Remedial action:</b> The Cpipe Service running on this RS232 serial card need fixing. Make the Cpipe error free.		

Table 15-170 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 15-171 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

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Table 15-172 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 15-173 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-174 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-175 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-176 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 15-177 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 15-178 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 15-179 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-180 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-181 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 15-182 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 15-183 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		



**Table 15-184 SubscriberSystemNextHopUsageHigh**

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

**Table 15-185 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

**Table 15-186 TemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 15-187 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 15-188 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 15-189 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 15-190 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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## 15 – Alcatel-Lucent 7705 SAR H alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 15-191 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 15-192 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 15-193 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

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Table 15-194 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 15-195 TwampRefInactivityTimeout

Alarm	Attributes	Applicable major releases
Name: TwampRefInactivityTimeout (4969) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPReflectorInactivityTimeout (2024)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> tmnxTwampSrvNotifClientAddrType, tmnxTwampSrvNotifClientAddr, aluTwampRefNotifLocalAddrType, aluTwampRefNotifLocalAddr, aluTwampRefNotifLocalPort, aluTwampRefNotifRemoteAddrType, aluTwampRefNotifRemoteAddr, aluTwampRefNotifRemotePort The alarm is raised when a TWAMP test session was disconnected by the TWAMP Reflector because the session was inactive for a period exceeding the reflector's inactivity timeout (Reflector Test Session Timeout). The TWAMP reflector cannot receive any traffic on the disconnected session. RECOVERY - Check the IP connectivity between this reflector and the TWAMP client.		
<b>Remedial action:</b> Verify the value of the ref-inactivity-timeout and modify it according to the operational needs.		

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Table 15-196 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 15-197 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 15-198 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 15-199 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 15-200 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 15-201 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>5.0</li> <li>6.1</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 15-202 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 15-203 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		



Table 15-204 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 15-205 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.1</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



## 16 — Alcatel-Lucent 7710 SR alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 16-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 16-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 16-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 16-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 16-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 16-7 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>• lag.MultiChassisLag</li> <li>• lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('configMismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 16-8 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

Table 16-9 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL "") AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL "") OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 16-10 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 16-11 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Remedial action:</b> Informational only.		

Table 16-12 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

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Table 16-13 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 16-14 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		



Table 16-15 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 16-16 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-17 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 16-18 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 16-19 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 16-20 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 16-21 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

**Table 16-22 BootableConfigBackupFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 16-23 BootableConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 16-24 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 16-25 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 16-26 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-27 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-28 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-29 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-30 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-31 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-32 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-33 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 16-34 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 16-35 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 16-36 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 16-37 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		



Table 16-38 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 16-39 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 16-40 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

Table 16-41 ConfigurationRollBackSaveStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

Table 16-42 ConfigurationRollBackStatus (netw)

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 16-43 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 16-44 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 16-45 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 16-46 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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## 16 — Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 16-47 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 16-48 DHCPPOOLFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPPOOLFailoverStateChange (5168) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPPOOLFailoverStateChanged (2088)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Pool Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when the operational state of a particular Local DHCP Pool Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a pool failover is in progress. This alarm is cleared implicitly when the DHCP Pool Failover state returns to Normal.		

Table 16-49 DHCPSErverFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPSErverFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSErverFailoverStateChanged (2041)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

Table 16-50 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 16-51 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 16-52 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Remedial action:</b> Informational only.		

Table 16-53 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 16-54 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 16-55 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 16-56 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Remedial action:</b> Informational only.		

Table 16-57 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> Informational only.		

Table 16-58 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 16-59 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 16-60 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 16-61 DS3E3OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 16-62 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 16-63 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 16-64 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 16-65 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 16-66 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 16-67 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-68 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 16-69 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 16-70 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 16-71 EthCSF

Alarm	Attributes	Applicable major releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

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Table 16-72 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 16-73 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-74 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-75 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-76 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 16-77 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-78 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-79 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-80 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 16-81 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 16-82 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 16-83 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 16-84 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> ((('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0))))"		
<b>Clearing condition:</b> ((('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

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Table 16-85 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 16-86 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 16-87 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 16-88 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 16-89 GroupInterfaceDown

Alarm	Attributes	Applicable major releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 16-90 IGHMisconfigured

Alarm	Attributes	Applicable major releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
<b>Raising condition:</b> (('igh_misconfigured' EQUAL '\yes\') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('igh_misconfigured' NOT EQUAL '\yes\') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the configuration.		

Table 16-91 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 16-92 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

**Table 16-93 IncompleteConfig (multichassis)**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.MultiChassisSync</li> <li>multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

**Table 16-94 IncompleteConfiguration**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 16-95 IncorrectEndPointPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('MC EndPoint Group Pointer' EQUAL '\')		
<b>Clearing condition:</b> ('MC EndPoint Group Pointer' NOT EQUAL '\')		
<b>Remedial action:</b> The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 16-96 IncorrectNeighborConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
<b>Raising condition:</b> (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
<b>Clearing condition:</b> (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
<b>Remedial action:</b> Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 16-97 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 16-98 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

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Table 16-99 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 16-100 InstanceDown (srrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configuration of the instance		

Table 16-101 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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## 16 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

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Table 16-102 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 16-103 InterfaceDown (service)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		



Table 16-104 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 16-105 InterfaceDown (vprn)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 16-106 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

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## 16 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 16-107 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 16-108 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 16-109 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 16-110 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 16-111 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 16-112 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-113 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 16-114 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 16-115 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 16-116 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 16-117 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 16-118 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 16-119 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-120 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
<b>Remedial action:</b> Informational only.		

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Table 16-121 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 16-122 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 16-123 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 16-124 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-125 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		



Table 16-126 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 16-127 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 16-128 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 16-129 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 16-130 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 16-131 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 16-132 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-133 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-134 MCPeerEPDown

Alarm	Attributes	Applicable major releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC endpoint is operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Bring up the all End Point Members.		

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Table 16-135 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 16-136 MissingLocalEntry

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 16-137 MldDown

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

Table 16-138 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 16-139 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 16-140 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 16-141 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 16-142 MsdpDown

Alarm	Attributes	Applicable major releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the MSDP site.		

Table 16-143 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 16-144 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 16-145 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 16-146 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 16-147 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 16-148 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-149 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 16-150 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 16-151 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 16-152 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 16-153 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 16-154 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 16-155 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 16-156 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 16-157 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 16-158 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-159 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-160 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 16-161 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 16-162 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 16-163 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
<b>Raising condition:</b> (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
<b>Clearing condition:</b> (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configurations of the peer routers.		

Table 16-164 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-165 PeerDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('administrativeState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Peer.		

Table 16-166 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 16-167 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Group.		

Table 16-168 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 16-169 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 16-170 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 16-171 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 16-172 PoolDepleted

Alarm	Attributes	Applicable major releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

Table 16-173 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 16-174 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 16-175 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-176 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 16-177 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 16-178 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 16-179 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 16-180 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-181 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 16-182 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 16-183 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 16-184 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 16-185 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 16-186 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 16-187 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 16-188 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 16-189 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 16-190 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 16-191 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

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Table 16-192 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 16-193 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00 00')		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00 00')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 16-194 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

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Table 16-195 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 16-196 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 16-197 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 16-198 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-199 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 16-200 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 16-201 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 16-202 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 16-203 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 16-204 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-205 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 16-206 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 16-207 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-208 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 16-209 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 16-210 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 16-211 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 16-212 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		



Table 16-213 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-214 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-215 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 16-216 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 16-217 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 16-218 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-219 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-220 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 16-221 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 16-222 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 16-223 SubHostLcktLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tmnxSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the system wide maximum number of lockout hosts is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 16-224 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 16-225 SubnetDepleted

Alarm	Attributes	Applicable major releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

**Table 16-226 SubscriberInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

**Table 16-227 SubscriberSystemNextHopUsageHigh**

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

**Table 16-228 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 16-229 svcMacFdbTabelFull

Alarm	Attributes	Applicable major releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the system limit of FDB records is reached.		
<b>Remedial action:</b> The alarm is raised when system limit of FDB records is reached.		

Table 16-230 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 16-231 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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## 16 – Alcatel-Lucent 7710 SR alarms

Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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Table 16-232 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 16-233 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 16-234 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 16-235 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

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Table 16-236 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 16-237 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 16-238 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

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Table 16-239 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 16-240 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

**Table 16-241 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 16-242 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 16-243 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 16-244 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 16-245 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 16-246 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 16-247 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 16-248 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

## 17 — Alcatel-Lucent 7750 SR alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 17-1 AaPolicerResourcesExceeded**

Alarm	Attributes	Applicable major releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvrd	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when Application Assurance configured override values exceed policer resources.		
<b>Raising condition:</b> (('Policer Resource Status' EQUAL 'Exceeded'))		
<b>Clearing condition:</b> (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
<b>Remedial action:</b> The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 17-2 AarpDown

Alarm	Attributes	Applicable major releases
Name: AarpDown (3704) Type: AarpDown (107) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: major Implicitly cleared: true Default probable cause: aarpDown (1444)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an AARP is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The application assurance redundancy protocol is down either because it is administratively disabled, faulty or a peer address is not up. Ensure that the AARP is administratively up, and the peer ip address and this ip address points to each other.		

Table 17-3 AarpInterfaceDown

Alarm	Attributes	Applicable major releases
Name: AarpInterfaceDown (3904) Type: AarpInterfaceDown (111) Package: service Raised on class: service.AarpInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an AARP interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 17-4 AccessInterfaceDown

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 17-5 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 17-6 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 17-7 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 17-8 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-9 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

**Table 17-10 AsymmetricalConfig (lag)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>lag.MultiChassisLag</li> <li>lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('configMismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 17-11 AsymmetricalConfig (multichassis)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.AbstractMultiChassisLag</li> <li>multichassis.MultiChassisLagMember</li> <li>multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL 'OL')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 17-12 AuthKeyConflict (rsvp)**

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '') OR ('enableAuthentication' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

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Table 17-13 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 17-14 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Remedial action:</b> Informational only.		

Table 17-15 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 17-16 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 17-17 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 17-18 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 17-19 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-20 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 17-21 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 17-22 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 17-23 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

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Table 17-24 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 17-25 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 17-26 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 17-27 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 17-28 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 17-29 CcagDown

Alarm	Attributes	Applicable major releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-30 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-31 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-32 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-33 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-34 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 17-35 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-36 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-37 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 17-38 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 17-39 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 17-40 CoherentOpticalModuleFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleFault (4612) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfgr	Severity: major Implicitly cleared: true Default probable cause: ModuleFault (1881)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports module fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Module Fault') AND ('Reported Alarms'anyBit'Module Fault'))		
<b>Remedial action:</b> Module Fault occurred.		

Table 17-41 CoherentOpticalModuleHostTxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleHostTxFault (4613) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleHostTxFault (1882)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Host Tx Fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Host (Electrical Side) Transmit') AND ('Reported Alarms'anyBit'Host (Electrical Side) Transmit'))		
<b>Remedial action:</b> Module Host Tx Fault occurred.		

Table 17-42 CoherentOpticalModuleReferenceLockLoss

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleReferenceLockLoss (4614) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: ReferenceLockLoss (1883)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports loss of reference lock signal on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Module') AND ('Reported Alarms'anyBit'Module'))		
<b>Remedial action:</b> Loss of reference lock.		

Table 17-43 CoherentOpticalModuleRxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleRxFault (4615) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.CoherentOpticalCfg	Severity: critical Implicitly cleared: true Default probable cause: CoherentModuleRxFault (1884)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Rx Fault on a coherent optical interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Network (Optical Side) Receive') AND ('Reported Alarms'anyBit'Network (Optical Side) Receive'))))		
<b>Remedial action:</b> Module Rx Fault occurred.		

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Table 17-44 CoherentOpticalModuleTxFault

Alarm	Attributes	Applicable major releases
Name: CoherentOpticalModuleTxFault (4616) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.CoherentOpticalCfg	Severity: major Implicitly cleared: true Default probable cause: CoherentModuleTxFault (1885)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports Tx Fault on a coherent optical interface.		
<b>Raising condition:</b> ((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit')))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Network (Optical Side) Transmit') AND ('Reported Alarms'anyBit'Network (Optical Side) Transmit'))))		
<b>Remedial action:</b> Module Tx Fault occurred.		

Table 17-45 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 17-46 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 17-47 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 17-48 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		



**Table 17-49 ConfigurationRollBackFileSyncStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

**Table 17-50 ConfigurationRollBackSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

**Table 17-51 ConfigurationRollBackStatus (netw)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 17-52 ConfigurationRollBackStatus (rollback)

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

Table 17-53 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-54 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 17-55 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 17-56 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 17-57 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

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**Table 17-58 CpmProtectionExceedSapIpEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 17-59 CpmProtectionViolationIfEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 17-60 CpmProtectionViolationPortEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 17-61 CpmProtectionViolationSAPEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 17-62 CpmProtectionViolationSDPEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 17-63 DDMAux1HighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-64 DDMAux1HighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-65 DDMAux1LowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-66 DDMAux1LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-67 DDMAux2HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-68 DDMAux2HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-69 DDMAux2LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-70 DDMAux2LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-71 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 17-72 DDMRxOpticalPowerHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-73 DDMRxOpticalPowerLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-74 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-75 DDMSupplyVoltageHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-76 DDMSupplyVoltageHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-77 DDMSupplyVoltageLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-78 DDMSupplyVoltageLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-79 DDMTemperatureHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-80 DDMTemperatureHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-81 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-82 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-83 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-84 DDMTxBiasCurrentHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-85 DDMTxBiasCurrentLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-86 DDMTxBiasCurrentLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-87 DDMTxOutputPowerHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-88 DDMTxOutputPowerHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 17-89 DDMTxOutputPowerLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-90 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 17-91 DHCPPOOLFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPPOOLFailoverStateChange (5168) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPPOOLFailoverStateChanged (2088)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Pool Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when the operational state of a particular Local DHCP Pool Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a pool failover is in progress. This alarm is cleared implicitly when the DHCP Pool Failover state returns to Normal.		

Table 17-92 DHCPSEVERFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPSEVERFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPSEVERFailoverStateChanged (2041)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		
<b>Remedial action:</b> This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

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Table 17-93 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-94 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 17-95 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 17-96 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 17-97 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 17-98 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

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Table 17-99 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 17-100 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 17-101 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 17-102 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 17-103 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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**Table 17-104 DS3E3OutOfFrame**

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

**Table 17-105 DS3E3ResourceAvailability**

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 17-106 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 17-107 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-108 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 17-109 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 17-110 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-111 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 17-112 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 17-113 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 17-114 EthCSF

Alarm	Attributes	Applicable major releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

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Table 17-115 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 17-116 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		



Table 17-117 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-118 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-119 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 17-120 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-121 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-122 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-123 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 17-124 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 17-125 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 17-126 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 17-127 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> ((('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0))))"		
<b>Clearing condition:</b> ((('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

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Table 17-128 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 17-129 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 17-130 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 17-131 GRE TunnelDown

Alarm	Attributes	Applicable major releases
Name: GRE TunnelDown (3326) Type: serviceAlarm (16) Package: svt Raised on class: svt.GRETunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP/GRE tunnel Operational State changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The situation may occur if the underlying physical port is down either because of administrative disabling or a fault on the port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable.		

Table 17-132 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

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Table 17-133 GroupInterfaceDown

Alarm	Attributes	Applicable major releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 17-134 IGHMisconfigured

Alarm	Attributes	Applicable major releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
<b>Raising condition:</b> (('igh_misconfigured' EQUAL "\"yes\"") AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('igh_misconfigured' NOT EQUAL "\"yes\"") OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the configuration.		

Table 17-135 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

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Table 17-136 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 17-137 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 17-138 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

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Table 17-139 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 17-140 IncorrectEndPointPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('MC EndPoint Group Pointer' EQUAL '\')		
<b>Clearing condition:</b> ('MC EndPoint Group Pointer' NOT EQUAL '\')		
<b>Remedial action:</b> The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

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Table 17-141 IncorrectNeighborConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
<b>Raising condition:</b> (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
<b>Clearing condition:</b> (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
<b>Remedial action:</b> Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

Table 17-142 IncorrectPeerConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 17-143 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

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**Table 17-144 IncorrectPeerSynchronizationPortEncapRangeConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

**Table 17-145 InstanceDown (srrp)**

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configuration of the instance		

**Table 17-146 InstanceDown (vrrp)**

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

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Table 17-147 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 17-148 InterfaceDown (service)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 17-149 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 17-150 InterfaceDown (vprn)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 17-151 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 17-152 IOMEventOverflow

Alarm	Attributes	Applicable major releases
Name: IOMEventOverflow (5617) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: critical Implicitly cleared: true Default probable cause: IOMEventOverflow (2384)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when tmnxlomResStateClr, tmnxlomResExhausted and tmnxlomResHighLimitReached occur more than 200 times because of resource usage fluctuation. The IOM raises the final trap to indicate overflow and stops logging traps.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the CPM polls the IOM for traps and the overflow is cleared by logging an overflow-clear on a particular card.		

Table 17-153 IOMResUtilizationLimit

Alarm	Attributes	Applicable major releases
Name: IOMResUtilizationLimit (5618) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: major Implicitly cleared: true Default probable cause: IOMResHighLimitReached (2385) Applicable probable causes: <ul style="list-style-type: none"> <li>IOMResHighLimitReached</li> <li>IOMResExhausted</li> </ul>	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when the type of resources on IOM as specified by tmnxlomResourceType has reached the value of tmnxlomResourceLimitPct.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the type of resources on IOM as specified by tmnxlomResourceType has dropped back down below the value of tmnxlomResourceLimitPct.		

Table 17-154 IPSecGatewayDown

Alarm	Attributes	Applicable major releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

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Table 17-155 IPSeclsaGrpDown

Alarm	Attributes	Applicable major releases
Name: IPSeclsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSeclsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSeclsaGrpDown (1480)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA IPsec group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPsec(Tunnel) Group.		

Table 17-156 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 17-157 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 17-158 IPSecTunnelBfdConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 17-159 IPSecTunnelDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IPsec tunnel operational state changes to 'down' and the administrative state is 'up'.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		



Table 17-160 IsaAaGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

Table 17-161 IsaAaSubUnassigned

Alarm	Attributes	Applicable major releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
<b>Raising condition:</b> (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
<b>Remedial action:</b> The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

Table 17-162 IsaLnsGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

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Table 17-163 IsaVideoGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

Table 17-164 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 17-165 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 17-166 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 17-167 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

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Table 17-168 L2TPDown

Alarm	Attributes	Applicable major releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
<b>Raising condition:</b> ('Administrative State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Administrative State' EQUAL 'Up')		
<b>Remedial action:</b> This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 17-169 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 17-170 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 17-171 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 17-172 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 17-173 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 17-174 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 17-175 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 17-176 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 17-177 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-178 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
<b>Remedial action:</b> Informational only.		

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Table 17-179 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 17-180 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		



Table 17-181 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 17-182 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-183 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 17-184 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 17-185 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 17-186 LSRPATHDown

Alarm	Attributes	Applicable major releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		

**Table 17-187 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 17-188 macMoveRateExceeded (svt)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

**Table 17-189 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 17-190 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTlsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 17-191 McIPsecPeerTunnelGroupMissing

Alarm	Attributes	Applicable major releases
Name: McIPsecPeerTunnelGroupMissing (4815) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.McPeerIPsecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC IPsec tunnel group. This can be either the peer tunnel group is misconfigured or the local peer group ID is not configured.		
<b>Raising condition:</b> ('peerTunnelGroupPointer' EQUAL '\')		
<b>Clearing condition:</b> ('peerTunnelGroupPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC IPsec tunnel group or check the local tunnel group's peer group ID has been configured, or delete this one if it is not used.		

Table 17-192 McIPsecTunnelGroupDown

Alarm	Attributes	Applicable major releases
Name: McIPsecTunnelGroupDown (4816) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.McPeerIPsecTunnelGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecTunnelGroupDown (1901)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC IPsec tunnel group is operationally down while it is administratively up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check if the physical ISA IPsec Tunnel Group or the associated MDA is operationally down.		

Table 17-193 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-194 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-195 McOmcrStatFailedChanged

Alarm	Attributes	Applicable major releases
Name: McOmcrStatFailedChanged (8058) Type: communicationsAlarm (4) Package: multichassis Raised on class: multichassis.McOmcrStat	Severity: minor Implicitly cleared: true Default probable cause: McOmcrStatFailedChanged (2459)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the value of the object tmnxMcOmcStatFailed changes from 'notAct' to any of the other values. The alarm is cleared when the value of the object tmnxMcOmcStatFailed changes to 'notAct' from any of the other values. A transition from 'notAct' or 'no' to 'yes' means that the traffic of some or all associated client application entries is being dropped. For example, all traffic from some or all of the IPOE subscriber hosts protected by a failed SRRP instance is dropped by this system. A transition to 'no' means that the system has successfully allocated resources for the traffic of all associated client application entries. A transition to 'notAct' means that this system is not performing the active role anymore for this access protection instance. For example, the value of the object tmnxSrrpOperState has become different from 'master' for the corresponding instance.		
<b>Raising condition:</b> ('Instance Failed' NOT EQUAL 'Not Act')		
<b>Clearing condition:</b> ('Instance Failed' EQUAL 'Not Act')		
<b>Remedial action:</b> There are three recovery actions possible, depending on the reason of the transition of the access protection instance. If it is caused by a problem in the access network, fix that problem, or make additional resources available for this access protection instance. If it is caused by a misconfiguration of this system, correct that, or make additional resources available for this access protection instance.		

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Table 17-196 MCPeerEPDown

Alarm	Attributes	Applicable major releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC endpoint is operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Bring up the all End Point Members.		

Table 17-197 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 17-198 MigrationCompleted

Alarm	Attributes	Applicable major releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a card migration event completes.		
<b>Raising condition:</b> ('Status' EQUAL 'Migration completed')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-199 MigrationFailed

Alarm	Attributes	Applicable major releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a card migration event fails.		
<b>Raising condition:</b> (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
<b>Remedial action:</b> This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backup could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-200 MissingLocalEntry

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

**Table 17-201 MldDown**

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

**Table 17-202 MldMaxGrpSrcsLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: MldMaxGrpSrcsLimitExceeded (5395) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxGrpSrcsLimitExceeded (2110)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an MLD group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number of Group Sources' attribute in the parent MLD interface so that the number of active MLD group sources stays under the configured threshold.		

**Table 17-203 MldMaxSrcsLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: MldMaxSrcsLimitExceeded (5396) Type: configurationAlarm (11) Package: mld Raised on class: mld.Interface	Severity: major Implicitly cleared: false Default probable cause: MldMaxSrcsLimitExceeded (2111)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an MLD source for a group when the number of sources for this group is equal to 'maxSources', the Maximum Number of Sources per group supported on the interface.		
<b>Remedial action:</b> Increase 'Maximum Number Of Sources' value to allow more sources on this interface.		



Table 17-204 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 17-205 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 17-206 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

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Table 17-207 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by I2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by I2fwd.SiteMrp.mrpAttrTblLowWatermark.		
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))		
<b>Remedial action:</b> Informational		

Table 17-208 MsdpDown

Alarm	Attributes	Applicable major releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the MSDP site.		

Table 17-209 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 17-210 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 17-211 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 17-212 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 17-213 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 17-214 NatDeterministicChange

Alarm	Attributes	Applicable major releases
Name: NatDeterministicChange (5122) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: false Default probable cause: NatDeterministicMapChanged (2056)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when something changed in the Deterministic NAT map. Such a change may be caused by a modification of the Deterministic NAT Prefix or the Deterministic NAT Map.		
<b>Remedial action:</b> Managers that rely on the offline representation of the Deterministic NAT map should get an updated copy by saving the Deterministic NAT script.		

Table 17-215 NatIsaGrpDegraded

Alarm	Attributes	Applicable major releases
Name: NatIsaGrpDegraded (8059) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDegraded (2460)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the NAT ISA group is degraded, while operationally still in service.		
<b>Raising condition:</b> (('Degraded State' EQUAL 'True') AND ('Operational State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Up') OR ('Degraded State' NOT EQUAL 'True'))		
<b>Remedial action:</b> The ISA-NAT Group is degraded. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 17-216 NatIsaGrpDown

Alarm	Attributes	Applicable major releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 17-217 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

**Table 17-218 NatLsnSubscriberIcmpPortUsgHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsgHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

**Table 17-219 NatLsnSubscriberSessionUsageHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		

**Table 17-220 NatLsnSubscriberSessionUsgHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsgHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 17-221 NatLsnSubscriberTcpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-222 NatLsnSubscriberTcpPortUsqHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsqHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-223 NatLsnSubscriberUdpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-224 NatLsnSubscriberUdpPortUsghigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsghigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 17-225 NatMdaDetectsLoadSharingError

Alarm	Attributes	Applicable major releases
Name: NatMdaDetectsLoadSharingError (5120) Type: configurationAlarm (11) Package: nat Raised on class: nat.IsaMda	Severity: minor Implicitly cleared: false Default probable cause: NatMdaLoadSharingErrorDetected (2055)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when node is sending periodically at most every 10 seconds while a NAT ISA MDA detects that it is receiving packets erroneously, due to incorrect load-balancing by the ingress IOM. The MDA drops all incorrectly load-balanced traffic.		
<b>Remedial action:</b> The ingress IOM hardware does not support a particular NAT function's load-balancing, for example an IOM-2 does not support deterministic NAT. Upgrade the ingress IOM, or change the configuration.		

Table 17-226 NatPcpSrvStateDown

Alarm	Attributes	Applicable major releases
Name: NatPcpSrvStateDown (4382) Type: communicationsAlarm (4) Package: nat Raised on class: nat.PcpServer	Severity: major Implicitly cleared: true Default probable cause: NatPcpSrvStateDown (1566)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an NAT PCP Server Changes		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates the PCP Server Operational State is Down. Please check the State Description on the PCP server for detail information		



Table 17-227 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-228 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 17-229 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 17-230 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 17-231 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 17-232 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-233 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 17-234 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

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Table 17-235 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 17-236 ObsoleteProtocolInFilter

Alarm	Attributes	Applicable major releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
<b>Remedial action:</b> Change the application filter configuration to use a protocol that is not Obsolete.		

Table 17-237 OFFlowEntryDeploymentCreateFailed

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Creation Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Creation Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects creation of the flow.		

**Table 17-238 OFFlowEntryDeploymentDeleteFailed**

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Deletion Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

**Table 17-239 OFLogicalPortStatusMplsTpNotSet**

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
<b>Remedial action:</b> When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

**Table 17-240 OFLogicalPortStatusRsvpTeNotSet**

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
<b>Remedial action:</b> When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 17-241 OFSwitchDown

Alarm	Attributes	Applicable major releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch has gone down.		

Table 17-242 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 17-243 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>12.0</li> <li>9.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-244 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-245 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 17-246 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 17-247 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 17-248 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
<b>Raising condition:</b> (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
<b>Clearing condition:</b> (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configurations of the peer routers.		



Table 17-249 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-250 PeerDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('administrativeState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Peer.		

Table 17-251 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 17-252 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Group.		

Table 17-253 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 17-254 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 17-255 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 17-256 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 17-257 PoolDepleted

Alarm	Attributes	Applicable major releases
Name: PoolDepleted (3950) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Address pool becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a pool becomes zero. Please increase the pool address range or create another address pool.		

Table 17-258 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 17-259 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 17-260 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-261 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 17-262 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 17-263 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 17-264 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 17-265 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-266 PTPClockNoMasterAlarm

Alarm	Attributes	Applicable major releases
Name: PTPClockNoMasterAlarm (3604) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: major Implicitly cleared: true Default probable cause: PTPClockNoMaster (1393)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when Precision Timing Protocol (PTP) clock does not support PTP timing master.		
<b>Remedial action:</b> Informational- Please verify master clock configuration for timing.		

Table 17-267 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 17-268 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

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Table 17-269 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 17-270 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 17-271 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOF'))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		



Table 17-272 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 17-273 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 17-274 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 17-275 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 17-276 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 17-277 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 17-278 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 17-279 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

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Table 17-280 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 17-281 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 17-282 RPKISessionNotEstablished

Alarm	Attributes	Applicable major releases
Name: RPKISessionNotEstablished (8136) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.RpkiSession	Severity: major Implicitly cleared: true Default probable cause: RPKISessionNotEstablished (2532)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the RPKI Session is not established.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Session State' NOT EQUAL 'Established'))		
<b>Clearing condition:</b> (('Session State' EQUAL 'Established'))		
<b>Remedial action:</b> Make sure that the Cache server is reachable and is configured properly.		

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Table 17-283 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 17-284 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 17-285 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 17-286 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 17-287 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

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Table 17-288 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 17-289 SapDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

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Table 17-290 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-291 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 17-292 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

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Table 17-293 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 17-294 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

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Table 17-295 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 17-296 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-297 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 17-298 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 17-299 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 17-300 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 17-301 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 17-302 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 17-303 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 17-304 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 17-305 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-306 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-307 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 17-308 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 17-309 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

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Table 17-310 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-311 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-312 SpbAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

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Table 17-313 SpbInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 17-314 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

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Table 17-315 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 17-316 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 17-317 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 17-318 SubHostLcktLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktLimitReached (4387) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: tmnxSubHostLcktLimitReached (1570)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the system wide maximum number of lockout hosts is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout.		

Table 17-319 SubHostLcktSapLimitReached

Alarm	Attributes	Applicable major releases
Name: SubHostLcktSapLimitReached (4391) Type: configurationAlarm (11) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostLcktSapLimitReached (1572)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the maximum number of lockout hosts on a given SAP is reached.		
<b>Remedial action:</b> Please do one of the following: 1. Investigate why the hosts are locked out. Possible reasons include authentication failure due to mis-configuration on the host end, mis-configuration on the BNG, missing or invalid configuration on the RADIUS server, session negotiation failure with the client, resource exhaustion on the BNG, unavailability of RADIUS server (and no fallback configured). 2. Clear the host lockout on the SAP. 3. Change the Maximum Lockout Hosts (per SAP).		

Table 17-320 SubnetDepleted

Alarm	Attributes	Applicable major releases
Name: SubnetDepleted (3953) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: actualFreeAddrDepleted (1529)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is generated when the actual number of free addresses in the DHCP Server Subnet becomes zero.		
<b>Remedial action:</b> This alarm is generated when the actual number of free addresses in a subnet becomes zero. Please create another subnet.		

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Table 17-321 SubscriberInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 17-322 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 17-323 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 17-324 svcMacFdbTabelFull

Alarm	Attributes	Applicable major releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the system limit of FDB records is reached.		
<b>Remedial action:</b> The alarm is raised when system limit of FDB records is reached.		

Table 17-325 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 17-326 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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Table 17-327 TMSInterfaceDown

Alarm	Attributes	Applicable major releases
Name: TMSInterfaceDown (3907) Type: TMSInterfaceDown (112) Package: service Raised on class: service.TmsInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a TMS interface is operationally down. The alarm clears when the TMS interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> This alarm indicates TMS Interface configured is operational down.		

Table 17-328 TPLSPDown

Alarm	Attributes	Applicable major releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 17-329 TPLSPATHDown

Alarm	Attributes	Applicable major releases
Name: TPLSPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPATHDown (1958)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 17-330 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 17-331 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 17-332 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		



**Table 17-333 TunnelAdministrativelyDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

**Table 17-334 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

**Table 17-335 TunnelDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

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Table 17-336 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 17-337 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 17-338 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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Table 17-339 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-340 UnrecommendedNAT64DestinationPrefix

Alarm	Attributes	Applicable major releases
Name: UnrecommendedNAT64DestinationPrefix (8060) Type: configurationAlarm (11) Package: nat Raised on class: nat.Nat64Config	Severity: warning Implicitly cleared: true Default probable cause: unrecommendedConfiguration (2461)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the bits [64-71] of NAT64 destination prefix are non-zero for prefix length of 96.		
<b>Raising condition:</b> (('NAT Destination Prefix Length' EQUAL '96') AND ('NAT Destination Prefix' NOT EQUAL '\{([0-9A-F]{1,4}){4}([0-9A-F]{1,2})(:[0-9A-F]{1,4}){3}\}'))		
<b>Clearing condition:</b> (('NAT Destination Prefix Length' NOT EQUAL '96') OR ('NAT Destination Prefix' EQUAL '\{([0-9A-F]{1,4}){4}([0-9A-F]{1,2})(:[0-9A-F]{1,4}){3}\}'))		
<b>Remedial action:</b> When using a prefix length 96, set the bits [64-71] of NAT64 Destination Prefix as zero.		

Table 17-341 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 17-342 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-343 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 17-344 VideoInterfaceDown

Alarm	Attributes	Applicable major releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 17-345 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 17-346 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 17-347 VRtrIfDDosDynamicExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 17-348 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 17-349 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 17-350 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Remedial action:</b> The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 17-351 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))))		
<b>Remedial action:</b> A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or reseating the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

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Table 17-352 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-353 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
<b>Remedial action:</b> check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.		



Table 17-354 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
<b>Remedial action:</b> Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

Table 17-355 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 17-356 WaveTrackerPowerControlLowlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlLowlimit (826) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlLowlimit (589)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
<b>Clearing condition:</b> NOT (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 17-357 WlanGwlsaGrpDegraded

Alarm	Attributes	Applicable major releases
Name: WlanGwlsaGrpDegraded (8150) Type: equipmentAlarm (3) Package: wlangw Raised on class: wlangw.WlanGwlsaGroup	Severity: major Implicitly cleared: true Default probable cause: WlanGwlsaGrpDegraded (2546)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the WLAN GW ISA group is degraded, while operationally still in service.		
<b>Raising condition:</b> (('Degraded State' EQUAL 'True') AND ('Operational State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Up') OR ('Degraded State' NOT EQUAL 'True'))		
<b>Remedial action:</b> The ISA-WLAN GW Group is degraded. This alarm occurs when the number of active IOMs in the ISA Group fall below the "Active IOM Limit" configured on the ISA Group. Check the assigned IOM and MDA card statuses.		

Table 17-358 WlanGwlsaGrpDown

Alarm	Attributes	Applicable major releases
Name: WlanGwlsaGrpDown (3914) Type: equipmentAlarm (3) Package: wlangw Raised on class: wlangw.WlanGwlsaGroup	Severity: major Implicitly cleared: true Default probable cause: WlanGwlsaGrpDown (1500)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an WLAN GW ISA group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-WLAN GW Group is down, despite the administrative state being up. Check that the configured ISA-WLAN GW Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application WLAN GW Group.		

Table 17-359 WlanGwResrcProblemDetected

Alarm	Attributes	Applicable major releases
Name: WlanGwResrcProblemDetected (3889) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a resource problem detected while attempting to activate some part of the WLAN Gateway configuration of this system.		
<b>Remedial action:</b> The alarm is raised when there is a resource problem detected while attempting to activate some part of the WLAN Gateway configuration of this system.		

Table 17-360 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

Table 17-361 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 12.0</li> <li>• 9.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



## 18 — Alcatel-Lucent 7750 SR MG alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 18-1 AaPolicerResourcesExceeded**

Alarm	Attributes	Applicable major releases
Name: AaPolicerResourcesExceeded (2930) Type: configurationAlarm (11) Package: aapolicy Raised on class: aapolicy.AaSubOvr	Severity: warning Implicitly cleared: false Default probable cause: AaPolicerResourcesExceeded (1124)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when Application Assurance configured override values exceed policer resources.		
<b>Raising condition:</b> (('Policer Resource Status' EQUAL 'Exceeded'))		
<b>Clearing condition:</b> (('Policer Resource Status' NOT EQUAL 'Exceeded'))		
<b>Remedial action:</b> The Application Assurance Subscriber Policy override(s) configuration has exceeded the policer resources. Remove overrides of a policy configuration for an Application Assurance subscriber where this may be occurring. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 18-2 AccessInterfaceDown

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 18-3 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 18-4 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

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Table 18-5 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-6 AGWGTPPMIPPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWGTPPMIPPeerDown (1120) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWGTPPMIPPeer	Severity: variable Implicitly cleared: true Default probable cause: AGWGTPPMIPPeerDown (832)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the pathManagementState of this EPS peer is not Up.		
<b>Raising condition:</b> ('Path Management State' EQUAL 'Fault')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Up')		
<b>Remedial action:</b> A GTP/PMIP based reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-7 AGWGTPPMIPPeerLastRestartInfo

Alarm	Attributes	Applicable major releases
Name: AGWGTPPMIPPeerLastRestartInfo (5189) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWGTPPMIPPeer	Severity: info Implicitly cleared: false Default probable cause: AGWGTPPMIPPeerRestart (1581)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the pathManagementState of this EPS path is restart and have restart reason and counters information.		
<b>Remedial action:</b> Informational - This alarm give you Peer restart reason and counters information.		

Table 18-8 AGWGTPPMIPPeerRestart

Alarm	Attributes	Applicable major releases
Name: AGWGTPPMIPPeerRestart (4415) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWGTPPMIPPeer	Severity: variable Implicitly cleared: true Default probable cause: AGWGTPPMIPPeerRestart (1581)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the pathManagementState of this EPS path is restart.		
<b>Raising condition:</b> ('Path Management State' EQUAL 'Restart')		
<b>Clearing condition:</b> ('Path Management State' NOT EQUAL 'Restart')		
<b>Remedial action:</b> A path restart is triggered on GTP/PMIP based peer for various reasons: Card reset, or transport issues between MME and SGW, check that the card is operational and check that the underlying transport network is up.		

Table 18-9 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		



Table 18-10 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 18-11 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>• lag.MultiChassisLag</li> <li>• lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('configMismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

Table 18-12 AsymmetricalConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.AbstractMultiChassisLag</li> <li>• multichassis.MultiChassisLagMember</li> <li>• multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Config Mismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 18-13 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 18-14 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 18-15 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 18-16 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 18-17 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

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Table 18-18 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 18-19 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 18-20 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 18-21 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 18-22 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 18-23 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 18-24 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 18-25 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 18-26 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 18-27 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 18-28 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 18-29 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-30 CcagDown

Alarm	Attributes	Applicable major releases
Name: CcagDown (210) Type: equipmentAlarm (3) Package: ccag Raised on class: ccag.CrossConnectAggregationGroup	Severity: major Implicitly cleared: true Default probable cause: CcagDown (163)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the CCAG Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		



Table 18-31 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-32 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-33 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 18-34 CesPktLoss

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-35 CesRmtPktLoss

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-36 CesRmtRdi

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-37 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-38 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 18-39 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

**Table 18-40 ClientDelegateServerStatus**

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

**Table 18-41 ConfigurationRescueFileDeleteStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

**Table 18-42 ConfigurationRescueFileSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 18-43 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 18-44 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 18-45 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

**Table 18-46 ConfigurationRollBackSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

**Table 18-47 ConfigurationRollBackStatus (netw)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 18-48 ConfigurationRollBackStatus (rollback)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 18-49 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 18-50 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 18-51 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 18-52 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 18-53 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		



Table 18-54 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-55 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-56 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-57 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-58 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 18-59 Df2PeerDown

Alarm	Attributes	Applicable major releases
Name: Df2PeerDown (4798) Type: EpcLIAAlarm (102) Package: Iteli Raised on class: Iteli.DFPeerCardGroup	Severity: major Implicitly cleared: true Default probable cause: Df2PeerDown (1898)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised on a Delivery Function 2 that is operationally down.		
<b>Raising condition:</b> ('DF2 Operational State' NOT EQUAL 'In Service')		
<b>Clearing condition:</b> ('DF2 Operational State' EQUAL 'In Service')		
<b>Remedial action:</b> A TCP connection failure associated with a Delivery Function 2 has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

Table 18-60 Df3PeerDown

Alarm	Attributes	Applicable major releases
Name: Df3PeerDown (4799) Type: EpcLIAAlarm (102) Package: Iteli Raised on class: Iteli.DFPeerCardGroup	Severity: major Implicitly cleared: true Default probable cause: Df3PeerDown (1899)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised on a Delivery Function 3 that is operationally down.		
<b>Raising condition:</b> ('DF3 Operational State' NOT EQUAL 'In Service')		
<b>Clearing condition:</b> ('DF3 Operational State' EQUAL 'In Service')		
<b>Remedial action:</b> A TCP connection failure associated with a Delivery Function 3 has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

Table 18-61 DHCPPeerDown

Alarm	Attributes	Applicable major releases
Name: DHCPPeerDown (5040) Type: EpcAlarm (59) Package: Itegw Raised on class: Itegw.PdnDhcpSGPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a DHCP peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Up')		
<b>Remedial action:</b> A DHCP server group (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-62 DHCPServerFailoverStateChange

Alarm	Attributes	Applicable major releases
Name: DHCPServerFailoverStateChange (4986) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: true Default probable cause: DHCPServerFailoverStateChanged (2041)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Local DHCP Server Failover has a state other than Normal.		
<b>Raising condition:</b> (('state' NOT EQUAL 'Normal'))		
<b>Clearing condition:</b> (('state' EQUAL 'Normal'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when operational state of a particular Local DHCP Server Failover is other than Normal. This can occur if the failover configuration is incorrect, disabled or if a server failover is in progress. This alarm will be cleared implicitly when the DHCP Server Failover state returns to Normal.		

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Table 18-63 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-64 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 18-65 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Remedial action:</b> Informational only.		

Table 18-66 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

Table 18-67 DS1E1OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Remedial action:</b> Informational only.		

Table 18-68 DS1E1ResourceAvailabilityIndicator

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Remedial action:</b> Informational only.		

Table 18-69 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Remedial action:</b> Informational only.		

Table 18-70 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> Informational only.		

Table 18-71 DS3E3AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3AlarmIndicationSignal (115) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 18-72 DS3E3Looped

Alarm	Attributes	Applicable major releases
Name: DS3E3Looped (120) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))))		
<b>Remedial action:</b> Informational only.		

Table 18-73 DS3E3LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS3E3LossOfSignal (116) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational only.		

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Table 18-74 DS3E3OutOfFrame

Alarm	Attributes	Applicable major releases
Name: DS3E3OutOfFrame (117) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
<b>Remedial action:</b> Informational only.		

Table 18-75 DS3E3ResourceAvailability

Alarm	Attributes	Applicable major releases
Name: DS3E3ResourceAvailability (119) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		



Table 18-76 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 18-77 EpcDown

Alarm	Attributes	Applicable major releases
Name: EpcDown (743) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.EPCGateway	Severity: major Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an EPC instance is operationally down but administratively up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is an indication that the GW card(s) the EPC instance is running on is operationally down. Ensure that the appropriate number of GW card(s) installed in the chassis and are operational.		

Table 18-78 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 18-79 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 18-80 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 18-81 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 18-82 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-83 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 18-84 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true')))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

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Table 18-85 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 18-86 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-87 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-88 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-89 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 18-90 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-91 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-92 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-93 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 18-94 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 18-95 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 18-96 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 18-97 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

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Table 18-98 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 18-99 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

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Table 18-100 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 18-101 GRE TunnelDown

Alarm	Attributes	Applicable major releases
Name: GRE TunnelDown (3326) Type: serviceAlarm (16) Package: svt Raised on class: svt.GRETunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP/GRE tunnel Operational State changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The situation may occur if the underlying physical port is down either because of administrative disabling or a fault on the port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable.		

Table 18-102 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

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Table 18-103 GroupInterfaceDown

Alarm	Attributes	Applicable major releases
Name: GroupInterfaceDown (441) Type: GroupInterfaceAlarm (44) Package: service Raised on class: service.GroupInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a group interface is operationally down. The alarm clears when the group interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 18-104 IGHMisconfigured

Alarm	Attributes	Applicable major releases
Name: IGHMisconfigured (827) Type: ighAlarm (74) Package: igh Raised on class: igh.InterfaceGroupHandler	Severity: major Implicitly cleared: true Default probable cause: IGHProtocolMismatch (590)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the IGH is administratively up but none of the IGH protocols is operationally up.		
<b>Raising condition:</b> (('igh_misconfigured' EQUAL "\"yes\"") AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('igh_misconfigured' NOT EQUAL "\"yes\"") OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the configuration.		

Table 18-105 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

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Table 18-106 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>multichassis.MultiChassisSync</li> <li>multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

Table 18-107 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 18-108 IncorrectEndPointPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('MC EndPoint Group Pointer' EQUAL '\')		
<b>Clearing condition:</b> ('MC EndPoint Group Pointer' NOT EQUAL '\')		
<b>Remedial action:</b> The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

**Table 18-109 IncorrectNeighborConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectNeighborConfig (609) Type: configurationAlarm (11) Package: aps Raised on class: aps.ApsGroup	Severity: major Implicitly cleared: true Default probable cause: incorrectNeighborConfig (452)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer does not exist or the neighbor address does not point to a network interface on the NE that contains the peer object.		
<b>Raising condition:</b> (('Type' EQUAL 'MultiChassis') AND ('Neighbor match' EQUAL 'false'))		
<b>Clearing condition:</b> (('Type' EQUAL 'SingleChassis') OR ('Neighbor match' EQUAL 'true'))		
<b>Remedial action:</b> Make sure a peer exist and the neighbor address points to a network interface on the NE that contains the peer object.		

**Table 18-110 IncorrectPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 18-111 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 18-112 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 18-113 InstanceDown (srrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the configuration of the instance		

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Table 18-114 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 18-115 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

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Table 18-116 InterfaceDown (service)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: service Raised on class: service.RedundantInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a redundant interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 18-117 InterfaceDown (vpIs)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpIs Raised on class: vpIs.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 18-118 InterfaceDown (vprn)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

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Table 18-119 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-120 IPSecGatewayDown

Alarm	Attributes	Applicable major releases
Name: IPSecGatewayDown (830) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: major Implicitly cleared: true Default probable cause: gatewayDown (592)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a SAP IPsec gateway changes to Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

Table 18-121 IPSecIsaGrpDown

Alarm	Attributes	Applicable major releases
Name: IPSecIsaGrpDown (3745) Type: equipmentAlarm (3) Package: isa Raised on class: isa.IPSecIsaGroup	Severity: major Implicitly cleared: true Default probable cause: IPSecIsaGrpDown (1480)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA IPSec group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Tunnel Group is down, despite the administrative state being up. Check that the configured ISA-Tunnel Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application IPSec(Tunnel) Group.		

Table 18-122 IPSecTunnelBfdConnectionBroken

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionBroken (831) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

Table 18-123 IPSecTunnelBfdConnectionDown

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionDown (832) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

**Table 18-124 IPSecTunnelBfdConnectionPeerDetectsDown**

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelBfdConnectionPeerDetectsDown (833) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnelBfd	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if the route to the BFD peer exist and is up.		

**Table 18-125 IPSecTunnelDown**

Alarm	Attributes	Applicable major releases
Name: IPSecTunnelDown (834) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecTunnel	Severity: major Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the IPsec tunnel operational state changes to 'down' and the administrative state is 'up'.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Fix the errors indicated in operational flag.		

**Table 18-126 IsaAaGrpDown**

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpDown (647) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: major Implicitly cleared: true Default probable cause: IsaAaGrpDown (482)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an ISA-AA group Operational State is Down, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-AA group is down, despite the administrative state being up. Check that the configured ISA-AA Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

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Table 18-127 IsaAaSubUnassigned

Alarm	Attributes	Applicable major releases
Name: IsaAaSubUnassigned (836) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: IsaAaSubUnassigned (596)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. The unassigned subscriber is treated as specified by the Operation Upon Failure parameter in the AA group. Recovery from this condition requires the removal and recreation of the AA subscriber when sufficient resources are available.		
<b>Raising condition:</b> (('Number of Unassigned ESM Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned SAP Subscribers' NOT EQUAL '0L') OR ('Number of Unassigned Spoke SDP Subscribers' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Number of Unassigned ESM Subscribers' EQUAL '0L') AND ('Number of Unassigned SAP Subscribers' EQUAL '0L') AND ('Number of Unassigned Spoke SDP Subscribers' EQUAL '0L'))		
<b>Remedial action:</b> The subscriber cannot be assigned to an ISA-AA MDA in an AA group because of insufficient service queues, a high AA subscriber count, or a high AA subscriber statistics collection rate. Remove and recreate the AA subscriber when sufficient resources are available.		

Table 18-128 IsaLnsGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaLnsGrpDown (1119) Type: equipmentAlarm (3) Package: isa Raised on class: isa.LnsGroup	Severity: major Implicitly cleared: true Default probable cause: IsaLnsGrpDown (831)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA-LNS group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is caused by administrative shutdown or equipment failure of the MDA members. Review the status of the underlying ISA MDA group members and ensure they are operational.		

Table 18-129 IsaVideoGrpDown

Alarm	Attributes	Applicable major releases
Name: IsaVideoGrpDown (775) Type: equipmentAlarm (3) Package: isa Raised on class: isa.VideoGroup	Severity: major Implicitly cleared: true Default probable cause: IsaVideoGrpDown (550)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an ISA video group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-Video Group is down, despite the administrative state being up. Check that the configured ISA-Video Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application Video Group.		

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Table 18-130 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 18-131 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

**Table 18-132 IsisInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

**Table 18-133 KeepAliveProblem**

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

**Table 18-134 L2TPDown**

Alarm	Attributes	Applicable major releases
Name: L2TPDown (841) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2TP site becomes administratively down. The alarm clears when the L2TP site becomes administratively up.		
<b>Raising condition:</b> ('Administrative State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Administrative State' EQUAL 'Up')		
<b>Remedial action:</b> This alarm indicates that the L2TP protocol administrative state is down. It is cleared automatically when L2TP administrative state is up again. Please verify the L2TP configuration. This alarm can be safely suppressed if L2TP is not used.		

Table 18-135 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 18-136 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 18-137 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

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Table 18-138 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 18-139 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 18-140 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

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Table 18-141 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 18-142 LineAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

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Table 18-143 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-144 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Remedial action:</b> Informational only.		

Table 18-145 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

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Table 18-146 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 18-147 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 18-148 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-149 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 18-150 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 18-151 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 18-152 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 18-153 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 18-154 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 18-155 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 18-156 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

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Table 18-157 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 18-158 McMobileConfigInfo

Alarm	Attributes	Applicable major releases
Name: McMobileConfigInfo (4379) Type: integrityViolation (85) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: major Implicitly cleared: false Default probable cause: mismatchPeerSets (199)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the configuration on the peers are erroneous or if they mismatch		
<b>Raising condition:</b> ('Configuration Mismatch Reason' EQUAL '1')		
<b>Remedial action:</b> Check what caused configuration data between the mobile-gateways mismatch and correct the issue for the geo-redundancy to work.		

Table 18-159 McMobileSwitchOver

Alarm	Attributes	Applicable major releases
Name: McMobileSwitchOver (4381) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: warning Implicitly cleared: false Default probable cause: lossOfRedundancy (1138)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the mobile-gateway participating in geo-redundancy switched over from being a slave to a master or master to a slave		
<b>Raising condition:</b> (('Operational Role' EQUAL '1') OR ('Operational Role' EQUAL '2'))		
<b>Remedial action:</b> Check what caused this switch over and check if the primary mobile-gateway is down.		

Table 18-160 MCPeerEPDown

Alarm	Attributes	Applicable major releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC endpoint is operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Bring up the all End Point Members.		

Table 18-161 MCRedirectThresholdReached (rtr)

Alarm	Attributes	Applicable major releases
Name: MCRedirectThresholdReached (8135) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: mCRedirectThresholdReached (2531)	<ul style="list-style-type: none"> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the system detects that the number of monitored packets on the slave node reached high threshold.		
<b>Remedial action:</b> A network configuration issue or a partial network failure has been detected. Diagnose and fix the partial network failure.		



Table 18-162 MCRedirectThresholdReached (vprn)

Alarm	Attributes	Applicable major releases
Name: MCRedirectThresholdReached (8135) Type: communicationsAlarm (4) Package: vprn Raised on class: vprn.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: mCRedirectThresholdReached (2531)	<ul style="list-style-type: none"> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when the system detects that the number of monitored packets on the slave node reached high threshold.		
<b>Remedial action:</b> A network configuration issue or a partial network failure has been detected. Diagnose and fix the partial network failure.		

Table 18-163 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 18-164 MgGroupDown

Alarm	Attributes	Applicable major releases
Name: MgGroupDown (837) Type: MgGroupAlarm (75) Package: isa Raised on class: isa.MgIsaGroup	Severity: major Implicitly cleared: true Default probable cause: MgGroupDown (597)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MG group goes down.		
<b>Raising condition:</b> ('Group Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Group Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> The operational state of the ISA-MG Group is down, despite the administrative state being up. Review the status of the underlying ISA-MG Group Members and ensure they are operational.		

**Table 18-165 MigrationCompleted**

Alarm	Attributes	Applicable major releases
Name: MigrationCompleted (753) Type: migrationComplete (62) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: info Implicitly cleared: false Default probable cause: migrationComplete (529)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a card migration event completes.		
<b>Raising condition:</b> ('Status' EQUAL 'Migration completed')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 18-166 MigrationFailed**

Alarm	Attributes	Applicable major releases
Name: MigrationFailed (754) Type: migrationFailure (63) Package: equipment Raised on class: equipment.NeCardSwapTask	Severity: major Implicitly cleared: false Default probable cause: migrationFailure (530)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a card migration event fails.		
<b>Raising condition:</b> (('Status' EQUAL 'Failed - Latest configuration not available') OR ('Status' EQUAL 'Failed - Unable to migrate configuration') OR ('Status' EQUAL 'Failed - Unable to transfer migrated configuration') OR ('Status' EQUAL 'Failed - Unable to reboot network element'))		
<b>Remedial action:</b> This alarm is raised when a card migration fails. The operation has failed for one of the following reasons - a configuration backup could not be created, the configuration transfer failed or the attempt to reboot the card failed. Please re-attempt the migration. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 18-167 MissingLocalEntry**

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 18-168 MldDown

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

Table 18-169 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 18-170 MobileSiteDown

Alarm	Attributes	Applicable major releases
Name: MobileSiteDown (1065) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceSite	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS gateway instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('Evolved Packet System Instance' EQUAL '\')		
<b>Clearing condition:</b> ('Evolved Packet System Instance' NOT EQUAL '\')		
<b>Remedial action:</b> Informational - a topology change due to reconfiguration of the transport network has resulted in deletion of a mobile service site. Regenerate the mobile service site by clicking on the re-calculate button on the mobile service properties form.		

Table 18-171 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 18-172 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 18-173 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
<b>Remedial action:</b> Informational		

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Table 18-174 MsdpDown

Alarm	Attributes	Applicable major releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the MSDP site.		

Table 18-175 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

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Table 18-176 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 18-177 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 18-178 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

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Table 18-179 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 18-180 NatIsaGrpDown

Alarm	Attributes	Applicable major releases
Name: NatIsaGrpDown (3887) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatIsaGroup	Severity: major Implicitly cleared: true Default probable cause: NatIsaGrpDown (1483)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an NAT ISA group is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the ISA-NAT Group is down, despite the administrative state being up. Check that the configured ISA-NAT Group Member MDA(s) are active and operationally up. There may be a fault with the ISA Application NAT Group.		

Table 18-181 NatLsnSubscriberIcmpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsageHigh (4860) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

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Table 18-182 NatLsnSubscriberIcmpPortUsgHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberIcmpPortUsgHigh (5397) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the ICMP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 18-183 NatLsnSubscriberSessionUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsageHigh (4861) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		

Table 18-184 NatLsnSubscriberSessionUsgHigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberSessionUsgHigh (5398) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the session usage of a large-scale NAT subscriber reaches the high watermark. The alarm will be cleared when the session usage of a large-scale NAT subscriber reaches its low watermark again.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network.		



**Table 18-185 NatLsnSubscriberTcpPortUsageHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsageHigh (4862) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

**Table 18-186 NatLsnSubscriberTcpPortUsqHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberTcpPortUsqHigh (5399) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the TCP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

**Table 18-187 NatLsnSubscriberUdpPortUsageHigh**

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsageHigh (4863) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 18-188 NatLsnSubscriberUdpPortUsghigh

Alarm	Attributes	Applicable major releases
Name: NatLsnSubscriberUdpPortUsghigh (5400) Type: thresholdCrossed (6) Package: nat Raised on class: nat.NatManager	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the UDP port usage of a large-scale NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 18-189 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-190 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

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Table 18-191 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 18-192 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 18-193 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 18-194 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 18-195 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 18-196 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 18-197 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 18-198 ObsoleteProtocolInFilter

Alarm	Attributes	Applicable major releases
Name: ObsoleteProtocolInFilter (3706) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationFilter	Severity: warning Implicitly cleared: false Default probable cause: obsoleteProtocolInFilter (1446)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a local application filter refers to an obsolete application assurance protocol.		
<b>Remedial action:</b> Change the application filter configuration to use a protocol that is not Obsolete.		

Table 18-199 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 18-200 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-201 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 18-202 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 18-203 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 18-204 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

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Table 18-205 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
<b>Raising condition:</b> (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
<b>Clearing condition:</b> (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configurations of the peer routers.		

Table 18-206 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		



Table 18-207 PeerDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('administrativeState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Peer.		

Table 18-208 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-209 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Group.		

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Table 18-210 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 18-211 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 18-212 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 18-213 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 18-214 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 18-215 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 18-216 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-217 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 18-218 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 18-219 PppLoopbackDetected

Alarm	Attributes	Applicable major releases
Name: PppLoopbackDetected (362) Type: configurationAlarm (11) Package: ppp Raised on class: ppp.Interface	Severity: major Implicitly cleared: true Default probable cause: PppLoopbackDetected (259)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the value of tmnxPppLocalMagicNumber is the same as the value of tmnxPppRemoteMagicNumber, which indicates that the link may be looped back.		
<b>Raising condition:</b> (('Local Magic Number' EQUAL 'Remote Magic Number') AND ('Local Magic Number' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('Local Magic Number' NOT EQUAL 'Remote Magic Number') OR ('Local Magic Number' EQUAL '0L'))		
<b>Remedial action:</b> Informational.		

Table 18-220 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 18-221 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 18-222 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 18-223 PTPPeerLossOfAnnounce

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfAnnounce (3608) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfAnnounce (1397)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Announce)' state. This indicates that the PTP announce messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Announce'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Announce'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 18-224 PTPPeerLossOfSync

Alarm	Attributes	Applicable major releases
Name: PTPPeerLossOfSync (3609) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPeer	Severity: minor Implicitly cleared: true Default probable cause: PTPPeerLossOfSync (1398)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP peer is in the 'Packet Timing Signal Fail (Loss Sync)' state. This indicates that the PTP timing messages are not received from the remote master.		
<b>Raising condition:</b> (('Master GM Alarms'anyBit'Loss of Sync'))		
<b>Clearing condition:</b> NOT (((('Master GM Alarms'anyBit'Loss of Sync'))))		
<b>Remedial action:</b> Please check if Configured Peer IP address is reachable (ping <Peer Ip>) from the this SR node and PTP configuration is proper.		

Table 18-225 PTPReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 18-226 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOFF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOFF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 18-227 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 18-228 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		



Table 18-229 RcaAuditAfterNEUpgradeStatus

Alarm	Attributes	Applicable major releases
Name: RcaAuditAfterNEUpgradeStatus (5124) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: rcaAuditStatusAfterNEUpgrade (2058)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE software version upgrade and RCA audit performed.		
<b>Remedial action:</b> Information - Check audit results for details		

Table 18-230 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 18-231 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 18-232 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 18-233 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 18-234 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

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Table 18-235 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 18-236 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 18-237 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL '\00 00 00 00 00 00 00\')		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL '\00 00 00 00 00 00 00\')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

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Table 18-238 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 18-239 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 18-240 S2LPATHBYPASSTUNNELACTIVE

Alarm	Attributes	Applicable major releases
Name: S2LPATHBYPASSTUNNELACTIVE (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPATH	Severity: warning Implicitly cleared: true Default probable cause: S2LPATHREROUTEDTOBYPASSTUNNEL (552)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 18-241 S2LPATHDOWN

Alarm	Attributes	Applicable major releases
Name: S2LPATHDOWN (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPATH	Severity: major Implicitly cleared: true Default probable cause: S2LPATHDOWN (553)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 18-242 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 18-243 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 18-244 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 18-245 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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Table 18-246 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 18-247 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

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Table 18-248 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-249 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 18-250 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 18-251 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-252 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 18-253 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 18-254 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-255 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 18-256 SonetPathAlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

**Table 18-257 SonetPathB3Error**

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

**Table 18-258 SonetPathLossOfCodegroupDelineationError**

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 18-259 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-260 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

Table 18-261 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 18-262 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-263 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 18-264 StatsRetrieval

Alarm	Attributes	Applicable major releases
Name: StatsRetrieval (8069) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: trapGapExceeded (2471)	<ul style="list-style-type: none"> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects trap Gap Exceeded and MG Stats files are retrieved.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-265 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 18-266 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 18-267 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: I2fwd Raised on class: I2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 18-268 SubscriberInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SubscriberInterfaceDown (440) Type: SubscriberInterfaceAlarm (43) Package: service Raised on class: service.SubscriberInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a subscriber interface is operationally down. The alarm clears when the subscriber interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 18-269 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 18-270 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 18-271 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 18-272 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 18-273 TMSInterfaceDown

Alarm	Attributes	Applicable major releases
Name: TMSInterfaceDown (3907) Type: TMSInterfaceDown (112) Package: service Raised on class: service.TmsInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a TMS interface is operationally down. The alarm clears when the TMS interface is operationally up.		
<b>Raising condition:</b> ('operationalState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> This alarm indicates TMS Interface configured is operational down.		

Table 18-274 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 18-275 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>4.0</li> <li>5.0</li> <li>6.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

**Table 18-276 TrapRoutePreferenceRedundancyMissing**

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

**Table 18-277 TunnelAdministrativelyDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

**Table 18-278 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

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Table 18-279 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 18-280 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 18-281 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 18-282 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 18-283 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 18-284 UnrecommendedNAT64DestinationPrefix

Alarm	Attributes	Applicable major releases
Name: UnrecommendedNAT64DestinationPrefix (8060) Type: configurationAlarm (11) Package: nat Raised on class: nat.Nat64Config	Severity: warning Implicitly cleared: true Default probable cause: unrecommendedConfiguration (2461)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> This alarm is raised when the bits [64-71] of NAT64 destination prefix are non-zero for prefix length of 96.		
<b>Raising condition:</b> (('NAT Destination Prefix Length' EQUAL '96') AND ('NAT Destination Prefix' NOT EQUAL '[0-9A-F]{1,4}:[0-9A-F]{1,2}:[0-9A-F]{1,4}'))		
<b>Clearing condition:</b> (('NAT Destination Prefix Length' NOT EQUAL '96') OR ('NAT Destination Prefix' EQUAL '[0-9A-F]{1,4}:[0-9A-F]{1,2}:[0-9A-F]{1,4}'))		
<b>Remedial action:</b> When using a prefix length 96, set the bits [64-71] of NAT64 Destination Prefix as zero.		

Table 18-285 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 18-286 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-287 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 18-288 VideoInterfaceDown

Alarm	Attributes	Applicable major releases
Name: VideoInterfaceDown (794) Type: VideoInterfaceAlarm (72) Package: service Raised on class: service.VideoInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a video interface is operationally down. The alarm clears when the video interface is operationally up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check the configuration and the underlying physical interface.		

Table 18-289 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-290 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 18-291 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))))		
<b>Remedial action:</b> The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

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Table 18-292 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))))		
<b>Remedial action:</b> A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

Table 18-293 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-294 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
<b>Remedial action:</b> check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.		

Table 18-295 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		
<b>Remedial action:</b> Either alarmed card has detected equipment problem or there is misfibering problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fibering for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfibering problem.the card is an SVAC, or if there is no fibering problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

Table 18-296 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 18-297 WaveTrackerPowerControllowlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControllowlimit (826) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControllowlimit (589)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 18-298 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 18-299 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 4.0</li> <li>• 5.0</li> <li>• 6.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		

## 19 — Alcatel-Lucent 7850 VSG alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 19-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 19-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 19-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 19-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 19-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 19-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 19-7 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>• lag.MultiChassisLag</li> <li>• lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('configMismatches' EQUAL 'OL')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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Table 19-8 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 19-9 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		



Table 19-10 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 19-11 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 19-12 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

Table 19-13 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOFF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOFF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 19-14 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 19-15 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 19-16 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 19-17 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 19-18 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

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Table 19-19 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 19-20 ConfigurationRescueFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

Table 19-21 ConfigurationRescueFileSaveStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 19-22 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 19-23 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

**Table 19-24 ConfigurationRollBackFileSyncStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

**Table 19-25 ConfigurationRollBackSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

**Table 19-26 ConfigurationRollBackStatus (netw)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 19-27 ConfigurationRollBackStatus (rollback)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 19-28 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 19-29 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 19-30 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 19-31 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 19-32 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

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Table 19-33 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 19-34 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 19-35 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 19-36 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 19-37 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 19-38 DDMAux1HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-39 DDMAux1HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-40 DDMAux1LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-41 DDMAux1LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-42 DDMAux2HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-43 DDMAux2HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-44 DDMAux2LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-45 DDMAux2LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-46 DDMRxOpticalPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-47 DDMRxOpticalPowerHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-48 DDMRxOpticalPowerLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-49 DDMRxOpticalPowerLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-50 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-51 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-52 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-53 DDMSupplyVoltageLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-54 DDMTemperatureHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-55 DDMTemperatureHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 19-56 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-57 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-58 DDMTxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-59 DDMTxBiasCurrentHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-60 DDMTxBiasCurrentLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 19-61 DDMTxBiasCurrentLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-62 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-63 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-64 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-65 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 19-66 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 19-67 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 19-68 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 19-69 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 19-70 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

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Table 19-71 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-72 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 19-73 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 19-74 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 19-75 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

**Table 19-76 EthernetPortDuplicateLane**

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 19-77 EthernetPortHighBer**

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 19-78 EthernetPortLocalFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 19-79 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 19-80 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 19-81 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 19-82 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 19-83 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 19-84 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 19-85 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 19-86 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 19-87 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		

Table 19-88 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 19-89 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 19-90 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

**Table 19-91 IgmpMaxSrcsLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxSources' value to allow more sources on this interface.		

**Table 19-92 IncompleteConfiguration**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 19-93 InstanceDown (srrp)**

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configuration of the instance		

Table 19-94 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 19-95 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 19-96 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 19-97 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 19-98 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		



Table 19-99 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 19-100 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

Table 19-101 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 19-102 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 19-103 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 19-104 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 19-105 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 19-106 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 19-107 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 19-108 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 19-109 LocalRncvOperDown**

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

**Table 19-110 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 19-111 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 19-112 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 19-113 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

**Table 19-114 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 19-115 macMoveRateExceeded (svt)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

**Table 19-116 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 19-117 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTisLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 19-118 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 19-119 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 19-120 MissingLocalEntry

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 19-121 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		



Table 19-122 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 19-123 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 19-124 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
<b>Remedial action:</b> Informational		

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Table 19-125 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 19-126 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 19-127 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 19-128 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 19-129 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 19-130 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 19-131 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 19-132 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 19-133 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 19-134 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 19-135 NodeRebooted**

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 19-136 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 19-137 NoPeerMcRingFound**

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 19-138 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

Table 19-139 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 19-140 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 19-141 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 19-142 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 19-143 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 19-144 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

Table 19-145 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 19-146 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-147 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 19-148 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 19-149 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-150 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 19-151 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 19-152 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-153 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 19-154 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 19-155 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 19-156 PrimaryPathLimitReached**

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

**Table 19-157 PTPNotQualified**

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 19-158 PTPReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 19-159 PTPReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

Table 19-160 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 19-161 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

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Table 19-162 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-163 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 19-164 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 19-165 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 19-166 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 19-167 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 19-168 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 19-169 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 19-170 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 19-171 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-172 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 19-173 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 19-174 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 19-175 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 19-176 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 19-177 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 19-178 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

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**Table 19-179 ShamLinkDown**

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 19-180 SingleSFMOverloadDetected**

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 19-181 SpbAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 19-182 SpbInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 19-183 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

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Table 19-184 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 19-185 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 19-186 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 19-187 svcMacFdbTabelFull

Alarm	Attributes	Applicable major releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the system limit of FDB records is reached.		
<b>Remedial action:</b> The alarm is raised when system limit of FDB records is reached.		

Table 19-188 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 19-189 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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Table 19-190 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 19-191 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 19-192 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 19-193 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

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Table 19-194 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 19-195 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

Table 19-196 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

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Table 19-197 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 19-198 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 19-199 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 19-200 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 19-201 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 19-202 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 19-203 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 19-204 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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Table 19-205 XplError

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



## 20 — Alcatel-Lucent 7950 XRS alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 20-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 20-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 20-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 20-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 20-5 AncillaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: AncillaryPathLimitReached (459) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' >= (1000 * 'Ancillary Path Limit Override'))"		
<b>Clearing condition:</b> (('Ancillary Path Limit Override' > '0') AND ('Ancillary Path In use' < (1000 * 'Ancillary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management ancillary path bandwidth limit is reached. This can be remedied by modifying the ancillary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the ancillary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 20-6 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 20-7 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>• lag.MultiChassisLag</li> <li>• lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('configMismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

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**Table 20-8 AsymmetricalConfig (multichassis)**

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.AbstractMultiChassisLag</li> <li>• multichassis.MultiChassisLagMember</li> <li>• multichassis.AbstractMultiChassisPeer</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when there is a peer configuration mismatch that prevents MC operation.		
<b>Raising condition:</b> ('Config Mismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('Config Mismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

**Table 20-9 AtcaPowerSupplyFailure**

Alarm	Attributes	Applicable major releases
Name: AtcaPowerSupplyFailure (1125) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated power supply is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled'))		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Enabled')		
<b>Remedial action:</b> Check the status of the site power supply.		

Table 20-10 AuthKeyConflict (rsvp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: rsvp Raised on class: rsvp.AuthenticationKey	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when both Authentication Key and RSVP Keychain are configured. RSVP Keychain will be used.		
<b>Raising condition:</b> (('RSVP Keychain' NOT EQUAL '\\"') AND ('enableAuthentication' EQUAL 'true'))		
<b>Clearing condition:</b> (('RSVP Keychain' EQUAL '\\"') OR ('enableAuthentication' NOT EQUAL 'true'))		
<b>Remedial action:</b> Authentication Key and RSVP Keychain are both configured. RSVP Keychain will be used. The alarm is cleared when only one is configured.		

Table 20-11 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 20-12 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

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Table 20-13 BerLineSignalFailure

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

Table 20-14 BfdInterfaceConnectionBroken

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionBroken (3329) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionBroken (593)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BFD connection to a peer times out.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Timed Out')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Timed Out')		
<b>Remedial action:</b> Check the peer router, fix the BFD connection		

Table 20-15 BfdInterfaceConnectionDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionDown (3330) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionDown (346)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a BFD session is Not Connected.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Operational')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Operational')		
<b>Remedial action:</b> Check the BFD interface configuration, fix the BFD connection		

Table 20-16 BfdInterfaceConnectionPeerDetectsDown

Alarm	Attributes	Applicable major releases
Name: BfdInterfaceConnectionPeerDetectsDown (3331) Type: serviceAlarm (16) Package: vrrp Raised on class: vrrp.BfdInterface	Severity: minor Implicitly cleared: true Default probable cause: bfdSessionConnectionPeerDetectsDown (594)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BFD peer detects a connection timeout.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Fix the BFD connection		

Table 20-17 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 20-18 BITS2NotQualified**

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

**Table 20-19 BITSNotQualified**

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

**Table 20-20 BITSReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		



Table 20-21 BITSReferenceOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOOF'))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

Table 20-22 BITSReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 20-23 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 20-24 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 20-25 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 20-26 CesBfrOverrun

Alarm	Attributes	Applicable major releases
Name: CesBfrOverrun (448) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer overrun.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Overrun') AND ('Report Alarm'anyBit'Buffer Overrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 20-27 CesBfrUnderrun

Alarm	Attributes	Applicable major releases
Name: CesBfrUnderrun (449) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: bufferOverrun (322)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a jitter buffer underrun.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Buffer Underrun') AND ('Report Alarm'anyBit'Buffer Underrun'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 20-28 CesMalformedPkts

Alarm	Attributes	Applicable major releases
Name: CesMalformedPkts (446) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: malformedPackets (320)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more malformed packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Malformed Packets') AND ('Report Alarm'anyBit'Malformed Packets'))))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**20 – Alcatel-Lucent 7950 XRS alarms****Table 20-29 CesPktLoss**

Alarm	Attributes	Applicable major releases
Name: CesPktLoss (447) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfPacket (321)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Packet Loss') AND ('Report Alarm'anyBit'Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 20-30 CesRmtPktLoss**

Alarm	Attributes	Applicable major releases
Name: CesRmtPktLoss (450) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: farEndLossOfPacket (323)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote packet loss.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote Packet Loss') AND ('Report Alarm'anyBit'Remote Packet Loss'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 20-31 CesRmtRdi**

Alarm	Attributes	Applicable major releases
Name: CesRmtRdi (452) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: farEndRdi (325)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote RDI.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote RDI') AND ('Report Alarm'anyBit'Remote RDI'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 20-32 CesRmtTdmFault

Alarm	Attributes	Applicable major releases
Name: CesRmtTdmFault (451) Type: configurationAlarm (11) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: false Default probable cause: tdmFarEndFault (324)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a remote TDM fault.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Remote TDM Fault') AND ('Report Alarm'anyBit'Remote TDM Fault'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 20-33 CesStrayPkts

Alarm	Attributes	Applicable major releases
Name: CesStrayPkts (445) Type: communicationsAlarm (4) Package: vll Raised on class: vll.VllCesInterfaceSpecifics	Severity: minor Implicitly cleared: true Default probable cause: strayPackets (319)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects received stray packets.		
<b>Raising condition:</b> (('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Clearing condition:</b> NOT (((('Report Alarm Status'anyBit'Stray Packets') AND ('Report Alarm'anyBit'Stray Packets'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 20-34 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

**Table 20-35 ClientDelegateServerStatus**

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

**Table 20-36 ConfigurationRescueFileDeleteStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileDeleteStatus (3894) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileDeleteOperationPerformed (1485)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file deletion status indicates failed, then, the requested rescue file might not be available or check the FTP permission for the rescue location.		

**Table 20-37 ConfigurationRescueFileSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueFileSaveStatus (3895) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueFileSaveOperationPerformed (1486)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue save operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue file creation status indicates failed, then, check the FTP permission for the rescue location.		

Table 20-38 ConfigurationRescueStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRescueStatus (3896) Type: configurationRescueAlarm (109) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRescueOperationPerformed (1487)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback rescue operation is performed.		
<b>Remedial action:</b> Informational - If rollback rescue status indicates failed, then, the rescue file might not be available or check the FTP permission for the rescue location.		

Table 20-39 ConfigurationRollBackFileDeleteStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileDeleteStatus (3897) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileDeleteOperationPerformed (1488)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback file delete operation is performed.		
<b>Remedial action:</b> Informational - If rollback file deletion status indicates failed, then, the requested rollback file might not be available or check the FTP permission for the rollback location..		

Table 20-40 ConfigurationRollBackFileSyncStatus

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackFileSyncStatus (3898) Type: configurationRollBackFileSyncAlarm (110) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackFileSyncOperationPerformed (1489)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback CPM sync operation is performed.		
<b>Remedial action:</b> Informational - If rollback files CPM Sync status indicates failed, then, check whether standby CPM is up.		

**Table 20-41 ConfigurationRollBackSaveStatus**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackSaveStatus (3899) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackSaveOperationPerformed (1490)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback save operation is performed.		
<b>Remedial action:</b> Informational - If rollback file creation status indicates failed, then, check the FTP permission for the rollback location.		

**Table 20-42 ConfigurationRollBackStatus (netw)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		

**Table 20-43 ConfigurationRollBackStatus (rollback)**

Alarm	Attributes	Applicable major releases
Name: ConfigurationRollBackStatus (3684) Type: configurationRollBackAlarm (103) Package: rollback Raised on class: rollback.RollbackNEInfo	Severity: info Implicitly cleared: false Default probable cause: configurationRollBackOperationPerformed (1422)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration rollback operation is performed.		
<b>Remedial action:</b> Informational - If rollback status indicates failed, then, the requested checkpoint might not be available or NE configuration might need to be restored.		



Table 20-44 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-45 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 20-46 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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**Table 20-47 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

**Table 20-48 CPMA LocalInterConnectPortNotAvailable**

Alarm	Attributes	Applicable major releases
Name: CPMA LocalInterConnectPortNotAvailable (8061) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: CPMA LocalInterConnectPortNotAvailable (2462)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The CPMA LocalInterConnectPortNotAvailable alarm is generated by 7950 XRS-40 when the CPM A of Master chassis cannot reach the Extended chassis through local CPM interconnect ports.		
<b>Remedial action:</b> Ensure that all the CPM A interconnect ports of Master and Extended chassis in the system are properly cabled together with working cables.		

Table 20-49 CPMBLocalInterConnectPortNotAvailable

Alarm	Attributes	Applicable major releases
Name: CPMBLocalInterConnectPortNotAvailable (8062) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: CPMBLocalInterConnectPortNotAvailable (2463)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The CPMBLocalInterConnectPortNotAvailable alarm is generated by 7950 XRS-40 when the CPM B of Master chassis cannot reach the Extended chassis through local CPM interconnect ports.		
<b>Remedial action:</b> Ensure that all the CPM B interconnect ports of Master and Extended chassis in the system are properly cabled together with working cables.		

Table 20-50 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be aligned with the traffic levels expected.		

Table 20-51 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be aligned with the traffic levels expected.		

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Table 20-52 CpmProtectionViolationIfEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 20-53 CpmProtectionViolationPortEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 20-54 CpmProtectionViolationSAPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 20-55 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be aligned with the traffic levels expected.		

Table 20-56 DDMAux1HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-57 DDMAux1HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-58 DDMAux1LowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-59 DDMAux1LowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-60 DDMAux2HighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-61 DDMAux2HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-62 DDMAux2LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-63 DDMAux2LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-64 DDMRxOpticalPowerHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-65 DDMRxOpticalPowerHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-66 DDMRxOpticalPowerLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Rx Optical Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Rx Optical Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 20-67 DDMRxOpticalPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-68 DDMSupplyVoltageHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitSupply Voltage High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-69 DDMSupplyVoltageHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitSupply Voltage High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-70 DDMSupplyVoltageLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-71 DDMSupplyVoltageLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-72 DDMTemperatureHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-73 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-74 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-75 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-76 DDMtxBiasCurrentHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-77 DDMtxBiasCurrentHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 20-78 DDMtxBiasCurrentLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-79 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-80 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-81 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-82 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-83 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 20-84 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-85 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 20-86 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-87 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 20-88 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 20-89 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 20-90 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 20-91 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 20-92 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 20-93 EthCSF

Alarm	Attributes	Applicable major releases
Name: EthCSF (3721) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: EthCSF (1459)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MEP receives a CCM frame with an interface status TLV of 'Down'.		
<b>Remedial action:</b> This alarm is raised when a MEP receives a CCM frame with an interface status TLV of Down.		

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**Table 20-94 EthernetPortConfiguredLoopback**

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

**Table 20-95 EthernetPortDuplicateLane**

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 20-96 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-97 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-98 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 20-99 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 20-100 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-101 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-102 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 20-103 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational		

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Table 20-104 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 20-105 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 20-106 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

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Table 20-107 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 20-108 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

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Table 20-109 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 20-110 GroupDown

Alarm	Attributes	Applicable major releases
Name: GroupDown (69) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Group	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Group is down while it is administratively up. Please check RIP related configuration e.g., the RIP is not shutdown.		

Table 20-111 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		



Table 20-112 IgmpMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxGrpSrcsLimitExceeded (4624) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxGrpSrcsLimitExceeded (1892)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP group source for a group when the number of group sources for this group is equal to 'maxGrpSources', the maximum number of group sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxGrpSources' value to allow more sources on this interface.		

Table 20-113 IgmpMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpMaxSrcsLimitExceeded (3742) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: IgmpMaxSrcsLimitExceeded (1477)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt is made to configure an IGMP source for a group when the number of sources for this group is equal to 'maxSources', the maximum number of sources per group supported on the interface.		
<b>Remedial action:</b> Needs to increase 'maxSources' value to allow more sources on this interface.		

Table 20-114 IncompleteConfig (multichassis)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: multichassis Raised on classes: <ul style="list-style-type: none"> <li>• multichassis.MultiChassisSync</li> <li>• multichassis.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('mcLagPointer' EQUAL '\')		
<b>Clearing condition:</b> ('mcLagPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered object.		

**20 – Alcatel-Lucent 7950 XRS alarms****Table 20-115 IncompleteConfiguration**

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

**Table 20-116 IncorrectEndPointPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectEndPointPeerConfig (1068) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteEPPeerConfig (810)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a peer configuration cannot be found on the peer NE.		
<b>Raising condition:</b> ('MC EndPoint Group Pointer' EQUAL '\')		
<b>Clearing condition:</b> ('MC EndPoint Group Pointer' NOT EQUAL '\')		
<b>Remedial action:</b> The peered object cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

**Table 20-117 IncorrectPeerConfig**

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerConfig (779) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.AbstractPeer	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerConfig (554)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC peer does not exist, or when an MC peer exists but the peer address is not the address of a network interface on the peer.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> The peer configuration cannot be found on the peer NE. Either delete this one, or create the missing peer object.		

Table 20-118 IncorrectPeerSynchronizationPortConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortConfig (780) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPort	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortConfig (555)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the peer port does not exist, or when the peer port exists but the synchronization tags of the peers do not match.		
<b>Raising condition:</b> ('peerMatchFound' EQUAL 'false')		
<b>Clearing condition:</b> ('peerMatchFound' EQUAL 'true')		
<b>Remedial action:</b> Check if the peer port does not exist, or the peer port exists but the synchronization tags do not match.		

Table 20-119 IncorrectPeerSynchronizationPortEncapRangeConfig

Alarm	Attributes	Applicable major releases
Name: IncorrectPeerSynchronizationPortEncapRangeConfig (781) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.PeerSynchronizationPortEncapRange	Severity: major Implicitly cleared: true Default probable cause: IncorrectPeerSynchronizationPortEncapRangeConfig (556)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the VLAN ranges on the Multi-Chassis synchronization peers do not match.		
<b>Raising condition:</b> ('Neighbor Match' EQUAL 'false')		
<b>Clearing condition:</b> ('Neighbor Match' EQUAL 'true')		
<b>Remedial action:</b> Update the VLAN ranges on the Multi-Chassis synchronization peers to make them matching.		

Table 20-120 InstanceDown (srrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the configuration of the instance		

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Table 20-121 InstanceDown (vrrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a VRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the instance configuration		

Table 20-122 InterChassisCommunicationDown

Alarm	Attributes	Applicable major releases
Name: InterChassisCommunicationDown (8067) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: InterChassisCommunicationDown (2468)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The InterChassisCommunicationDown alarm is generated by 7950 XRS-40 when the active CPM of Master chassis cannot reach the Extended (far-end) chassis. The resources on the far-end chassis are not available, this event indicates that the CPM, SFM and XCM cards in the far-end chassis will reboot and remain operationally down Until communications are re-established.		
<b>Remedial action:</b> Ensure that all the CPM (A & B) interconnect ports of Master and Extended chassis in the system are properly cabled together with working cables.		

Table 20-123 InterConnectPortDDMFailure

Alarm	Attributes	Applicable major releases
Name: InterConnectPortDDMFailure (5621) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.InterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: InterConnectPortDDMFailure (2389)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The InterConnectPortDDMFailure alarm is generated by 7950 XRS-40 when a small form factor (SFF) connector in a inter connect port that supports Digital Diagnostic Monitoring (DDM) enters failed state.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The InterConnectPortDDMFailure alarm is generated when a small form factor (SFF) connector in a inter connect port that supports Digital Diagnostic Monitoring (DDM) enters failed state, please check whether the SFF is connected properly and it functions properly, rectify any issues it may have.		

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Table 20-124 InterConnectPortLinkDown

Alarm	Attributes	Applicable major releases
Name: InterConnectPortLinkDown (5622) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.InterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: InterConnectPortLinkDown (2390)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The InterConnectPortLinkDown alarm is generated by 7950 XRS-40 when the interconnect port is not operational. The reason may be a cable connected incorrectly, a disconnected cable, a faulty cable, or a misbehaving interconnect port.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Link') AND ('SFF Status' EQUAL 'Operational'))		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Ensure that all the interconnect ports of Master and Extended chassis in the system are properly cabled together with working cables also manual verification, testing of each interconnect port and a replacement of cabling may be required for fully functional operation.		

Table 20-125 InterConnectPortMisconnected

Alarm	Attributes	Applicable major releases
Name: InterConnectPortMisconnected (5623) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.InterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: InterConnectPortMisconnected (2391)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The InterConnectPortMisconnected alarm is generated by 7950 XRS-40 when interconnect ports are misconnected, master chassis interconnect ports should always be connected to appropriate extended chassis interconnect port, there is a misconnection hence this alarm has been raised.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Invalid Connection')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Inter connect ports connections are invalid, source and target ports are misconnected, please connect appropriate source and target ports. Please refer the nodal documentation to know details about which ports in master and extended chassis should be to be connected.		

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Table 20-126 InterConnectPortSFFFailure

Alarm	Attributes	Applicable major releases
Name: InterConnectPortSFFFailure (5624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.InterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: InterConnectPortSFFFailure (2392)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The SFFFailure alarm is generated by 7950 XRS-40 when SFF of the interconnect port has failed, this is has been indicated by the field SFFStatus having value read-error.		
<b>Raising condition:</b> (('SFF Status' NOT EQUAL 'Not Equipped') AND ('SFF Status' NOT EQUAL 'Operational') AND ('SFF Status' NOT EQUAL 'SFP Unsupported'))		
<b>Clearing condition:</b> (('SFF Status' EQUAL 'Not Equipped') OR ('SFF Status' EQUAL 'Operational'))		
<b>Remedial action:</b> The Small Form Factor (SFF) used in interconnect port has failed, please use the appropriate SFF which ALU has recommended, if the SFF is correct please remove and re-insert the SFF device. If the problem persists then replace the SFF device.		

Table 20-127 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 20-128 InterfaceDown (vpls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 20-129 InterfaceDown (vprn)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.IPMirrorInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an interface is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 20-130 InterfaceNeighborDown

Alarm	Attributes	Applicable major releases
Name: InterfaceNeighborDown (661) Type: NeighborDown (20) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface neighbor is operationally down.		
<b>Raising condition:</b> (('Neighbor Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'true'))		
<b>Clearing condition:</b> (('Neighbor Count' NOT EQUAL '0L') OR ('Passive' EQUAL 'true'))		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 20-131 IOMEventOverflow

Alarm	Attributes	Applicable major releases
Name: IOMEventOverflow (5617) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: critical Implicitly cleared: true Default probable cause: IOMEventOverflow (2384)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when tmnxlomResStateClr, tmnxlomResExhausted and tmnxlomResHighLimitReached occur more than 200 times because of resource usage fluctuation. The IOM raises the final trap to indicate overflow and stops logging traps.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the CPM polls the IOM for traps and the overflow is cleared by logging an overflow-clear on a particular card.		

Table 20-132 IOMResUtilizationLimit

Alarm	Attributes	Applicable major releases
Name: IOMResUtilizationLimit (5618) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.BaseCard	Severity: major Implicitly cleared: true Default probable cause: IOMResHighLimitReached (2385) Applicable probable causes: <ul style="list-style-type: none"> <li>IOMResHighLimitReached</li> <li>IOMResExhausted</li> </ul>	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is generated when the type of resources on IOM as specified by tmnxlomResourceType has reached the value of tmnxlomResourceLimitPct.		
<b>Remedial action:</b> Informational - The alarm will be cleared when the type of resources on IOM as specified by tmnxlomResourceType has dropped back down below the value of tmnxlomResourceLimitPct.		

Table 20-133 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		



Table 20-134 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 20-135 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

Table 20-136 KeepAliveProblem

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

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Table 20-137 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 20-138 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 20-139 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

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Table 20-140 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

Table 20-141 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: Idp Raised on class: Idp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 20-142 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: Idp Raised on class: Idp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

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**Table 20-143 LicensedLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 20-144 LineAlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

Table 20-145 LineErrorCondition

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-146 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Remedial action:</b> Informational only.		

Table 20-147 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

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Table 20-148 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 20-149 LossOfClock (sonetequipment)

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 20-150 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-151 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-152 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 20-153 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 20-154 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 20-155 LSRPATHDown

Alarm	Attributes	Applicable major releases
Name: LSRPATHDown (4898) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLSRPath	Severity: critical Implicitly cleared: true Default probable cause: LSRPATHDown (1955)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSR Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSR Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSR Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the forward and reverse labels are set and the Out-Link interface is operationally up.		



Table 20-156 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 20-157 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 20-158 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

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Table 20-159 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTisLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 20-160 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 20-161 MCLagDown (multichassis)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisLagPeerSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mclagDown (295)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 20-162 MCPeerEPDown

Alarm	Attributes	Applicable major releases
Name: MCPeerEPDown (1069) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisEndpoint	Severity: critical Implicitly cleared: true Default probable cause: MCPeerEPDown (811)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MC endpoint is operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Bring up the all End Point Members.		

Table 20-163 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOAM Raised on class: ethernetOAM.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

**Table 20-164 MissingLocalEntry**

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: l2fwd Raised on class: l2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

**Table 20-165 MldDown**

Alarm	Attributes	Applicable major releases
Name: MldDown (587) Type: ProtocolAlarm (1) Package: mld Raised on class: mld.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MLD site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the base router and system are configured correctly.		

**Table 20-166 MobileConnectorDown**

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: lteservice Raised on class: lteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 20-167 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 20-168 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 20-169 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
<b>Remedial action:</b> Informational		

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Table 20-170 MsdpDown

Alarm	Attributes	Applicable major releases
Name: MsdpDown (353) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MSDP site is administratively down. The alarm clears when the site is administratively up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the MSDP site.		

Table 20-171 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 20-172 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

Table 20-173 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 20-174 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>• vpls.L2AccessInterfaceMldMvrCfg</li> <li>• vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

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**Table 20-175 MvrSiteDown**

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

**Table 20-176 NeighborDown**

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		



Table 20-177 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 20-178 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 20-179 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 20-180 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 20-181 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 20-182 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 20-183 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 20-184 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

**Table 20-185 OFFlowEntryDeploymentCreateFailed**

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentCreateFailed (5405) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentCreateFailed (2113)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Creation Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Creation Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects creation of the flow.		

**Table 20-186 OFFlowEntryDeploymentDeleteFailed**

Alarm	Attributes	Applicable major releases
Name: OFFlowEntryDeploymentDeleteFailed (5406) Type: processingErrorAlarm (81) Package: openflow Raised on class: openflow.OFAbstractFlowEntry	Severity: major Implicitly cleared: true Default probable cause: OFFlowEntryDeploymentDeleteFailed (2114)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the flow entry deployment create has failed.		
<b>Raising condition:</b> (('Deployment Status' EQUAL 'Deletion Failed'))		
<b>Clearing condition:</b> (('Deployment Status' NOT EQUAL 'Deletion Failed'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch rejects deletion of the flow.		

**Table 20-187 OFLogicalPortStatusMplsTpNotSet**

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusMplsTpNotSet (5407) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusMplsTpNotSet (2115)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the MPLS-TP flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'rsvp-te'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'rsvp-te'))		
<b>Remedial action:</b> When MPLS-TP is not set, OpenFlow port status will not be received by SAM.		

Table 20-188 OFLogicalPortStatusRsvpTeNotSet

Alarm	Attributes	Applicable major releases
Name: OFLogicalPortStatusRsvpTeNotSet (5408) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFLogicalPortStatusRsvpTeNotSet (2116)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the RSVP-TE flag is not set in the Logical Port Status.		
<b>Raising condition:</b> (('Logical Port Status' EQUAL 'OL') OR ('Logical Port Status' EQUAL 'mpls-tp'))		
<b>Clearing condition:</b> (('Logical Port Status' NOT EQUAL 'OL') AND ('Logical Port Status' NOT EQUAL 'mpls-tp'))		
<b>Remedial action:</b> When RSVP-TE is not set, OpenFlow port status will not be received by SAM.		

Table 20-189 OFSwitchDown

Alarm	Attributes	Applicable major releases
Name: OFSwitchDown (5409) Type: equipmentAlarm (3) Package: openflow Raised on class: openflow.OFSwitch	Severity: major Implicitly cleared: true Default probable cause: OFSwitchDown (2117)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an OFSwitch is Down and the Administrative State is Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised when the OpenFlow switch has gone down.		

Table 20-190 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

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Table 20-191 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 20-192 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-193 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

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Table 20-194 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 20-195 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

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Table 20-196 PeerConnectionDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the connectionState of this peer changes from Established to a state other than Established. The alarm clears when the connectionState of this peer returns to the Established state.		
<b>Raising condition:</b> (('connectionState' NOT EQUAL 'Established') AND ('administrativeState' EQUAL 'Up'))		
<b>Clearing condition:</b> (('connectionState' EQUAL 'Established') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configurations of the peer routers.		

Table 20-197 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 20-198 PeerDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.CommonPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('administrativeState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Peer.		



Table 20-199 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 20-200 PeerGroupDown (msdp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: msdp Raised on class: msdp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Administrative State of a peer group changes from Up to Down. The alarm clears when the Administrative State returns to Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Turn up the Group.		

Table 20-201 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 20-202 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 20-203 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 20-204 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 20-205 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 20-206 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

**Table 20-207 PowerCapacityExceeded**

Alarm	Attributes	Applicable major releases
Name: PowerCapacityExceeded (5146) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: powerCapacityExceeded (2068)	<ul style="list-style-type: none"> <li>11.0.R4</li> </ul>
<b>Description:</b> The PowerCapacityExceeded alarm is generated when a device needs power to boot, but there is not enough power capacity to support the device.		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 20-208 PowerLostCapacity**

Alarm	Attributes	Applicable major releases
Name: PowerLostCapacity (5147) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: powerLostCapacity (2069)	<ul style="list-style-type: none"> <li>11.0.R4</li> </ul>
<b>Description:</b> The PowerLostCapacity alarm is generated when a power supply fails or is removed which puts the system in an overloaded situation.		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 20-209 PowerOverloadState**

Alarm	Attributes	Applicable major releases
Name: PowerOverloadState (5148) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: critical Implicitly cleared: true Default probable cause: powerOverloadState (2070)	<ul style="list-style-type: none"> <li>11.0.R4</li> </ul>
<b>Description:</b> The PowerOverloadState alarm is generated when the overloaded power capacity can not support the power requirements and there are no further devices that can be powered off.		
<b>Remedial action:</b> To recover from this state, the customer is requested to add power capacity, or to manually shutdown devices until the power capacity meets the power needs.		

Table 20-210 PowerSafetyAlertThreshold

Alarm	Attributes	Applicable major releases
Name: PowerSafetyAlertThreshold (5149) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: warning Implicitly cleared: true Default probable cause: powerSafetyAlertThresholdCrossed (2071)	<ul style="list-style-type: none"> <li>11.0.R4</li> </ul>
<b>Description:</b> The PowerSafetyAlertThreshold notification is generated when the system power capacity drops below the configured safety alert threshold.		
<b>Remedial action:</b> Decrease the safety alert threshold or reduce the power utilization below safety alert threshold.		

Table 20-211 PowerSafetyLevelThreshold

Alarm	Attributes	Applicable major releases
Name: PowerSafetyLevelThreshold (5150) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: warning Implicitly cleared: true Default probable cause: powerSafetyLevelThresholdCrossed (2072)	<ul style="list-style-type: none"> <li>11.0.R4</li> </ul>
<b>Description:</b> The PowerSafetyLevelThreshold notification is generated when the peak nodal power consumption exceeds the configured safety level threshold.		
<b>Remedial action:</b> Increase the safety level threshold or reduce the power utilization below safety level threshold.		

Table 20-212 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 20-213 PowerSupplyInputFeedDown**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

**Table 20-214 PowerSupplyInputFeedDownAlarm**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDownAlarm (5154) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('Input Feed Status' EQUAL 'Input A Down') OR ('Input Feed Status' EQUAL 'Input B Down') OR (('Input Feed Status'allBits'Input A Down') AND ('Input Feed Status'allBits'Input B Down'))		
<b>Clearing condition:</b> ('Input Feed Status' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power		

**Table 20-215 PowerSupplyRemoved**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 20-216 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 20-217 PrimaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: PrimaryPathLimitReached (457) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' >= (1000 * 'Primary Path Limit Override'))"		
<b>Clearing condition:</b> (('Primary Path Limit Override' > '0') AND ('Primary Path In use' < (1000 * 'Primary Path Limit Override'))		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management primary path bandwidth limit is reached. This can be remedied by modifying the primary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the primary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 20-218 ProvPowerCapacity

Alarm	Attributes	Applicable major releases
Name: ProvPowerCapacity (5182) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerManagementZone	Severity: major Implicitly cleared: true Default probable cause: provPowerCapacity (2098)	<ul style="list-style-type: none"> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The ProvisionedPowerCapacity alarm is generated if a power zone's provisioned power capacity can no longer support configured devices.		
<b>Remedial action:</b> The system can no longer support configured devices. Power capacity is not sufficient enough to operate all the configured devices. Add more PEQs or delete some devices		

**Table 20-219 PTPNotQualified**

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 20-220 PTPReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 20-221 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		



Table 20-222 PTPReferenceOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

Table 20-223 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 20-224 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 20-225 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 20-226 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 20-227 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 20-228 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 20-229 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

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Table 20-230 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g. IOM is not shutdown or installed.		

Table 20-231 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 20-232 RPKISessionNotEstablished

Alarm	Attributes	Applicable major releases
Name: RPKISessionNotEstablished (8136) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.RpkiSession	Severity: major Implicitly cleared: true Default probable cause: RPKISessionNotEstablished (2532)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The notification alarm is raised when the RPKI Session is not established.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Session State' NOT EQUAL 'Established'))		
<b>Clearing condition:</b> (('Session State' EQUAL 'Established'))		
<b>Remedial action:</b> Make sure that the Cache server is reachable and is configured properly.		

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Table 20-233 RsvpDown

Alarm	Attributes	Applicable major releases
Name: RsvpDown (74) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RSVP Site is down while it is administratively up. Please check MPLS is enabled and administratively up.		

Table 20-234 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

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Table 20-235 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 20-236 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

Table 20-237 SapDDosDynamicExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosDynamicExceeded (4890) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the protocol on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP completes hold-down period for an exceeding protocol (on receiving sapDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpDynamicConform trap), the alarm will be cleared.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

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Table 20-238 SapDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosLocMonitorExceeded (4891) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the SAP (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular SAP has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

Table 20-239 SapDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: SapDDosStaticExceeded (4892) Type: securityServiceOrMechanismViolation (92) Package: service Raised on class: service.AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the static-policer on a particular SAP has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving sapDcpStaticExcd trap) and the alarm status is set as non-conformant. When the SAP starts hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the SAP ends hold-down period for the exceeding static-policer (on receiving sapDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the SAP has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving sapDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected SAP may be required.		

**20 – Alcatel-Lucent 7950 XRS alarms****Table 20-240 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 20-241 ScheduledPollerProblem**

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 20-242 SdpBindingDown**

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

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Table 20-243 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 20-244 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

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Table 20-245 SecondaryPathLimitReached

Alarm	Attributes	Applicable major releases
Name: SecondaryPathLimitReached (458) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached.		
<b>Raising condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' >= (1000 * 'Secondary Path Limit Override'))"		
<b>Clearing condition:</b> (('Secondary Path Limit Override' > '0') AND ('Secondary Path In use' < (1000 * 'Secondary Path Limit Override'))"		
<b>Remedial action:</b> Informational - The alarm is raised when the Ingress Multicast Path Management secondary path bandwidth limit is reached. This can be remedied by modifying the secondary path limit located at T1 Paths tab of the multicast bandwidth policy which assigned to the card, or increase the secondary path limit override located at the Daughter Card tab under Daughter Card Slot form.		

Table 20-246 SectionB1Error

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-247 SectionLossOfFrame

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

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Table 20-248 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 20-249 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 20-250 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 20-251 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 20-252 SFMInterconnectPortDegraded

Alarm	Attributes	Applicable major releases
Name: SFMInterconnectPortDegraded (5647) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.SFMInterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: SFMInterconnectPortDegraded (2423)	<ul style="list-style-type: none"> <li>• 12.0</li> </ul>
<b>Description:</b> The SFMInterconnectPortDegraded alarm is generated by 7950 XRS-40 when the system has detected a reduction in switch fabric capacity because of degrade in a particular SFM interconnect port associated to the switch fabric. This is indicated through the field SfmIcPortDegradeState, the value of the field would not be None in this condition. The value degraded indicates switch fabric capacity on this port is reduced, but SFM interconnect port can still carry some traffic but not all the full capacity of the interconnect port.		
<b>Raising condition:</b> ('Fabric Degrade State' NOT EQUAL 'None')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Fabric Degrade State' EQUAL 'None')		
<b>Remedial action:</b> Switch fabric capacity is reduced due to the degradation in associated SFM interconnect port, this may not cause any impact to service because of redundancy in the fabric. Although it may not be possible to maintain full service, the SFM interconnection port and attached cable may be the cause for the degradation, replacing the affected components may restore some fabric capacity.		

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Table 20-253 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 20-254 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 20-255 SonetPathAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: SonetPathAlarmIndicationSignal (129) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathAlarmIndicationSignal (63)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Indication Signal') AND ('Report Alarms'anyBit'Path Alarm Indication Signal'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-256 SonetPathB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathB3Error (132) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathB3Error (66)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition because of b3 errors. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path B3 error') AND ('Report Alarms'anyBit'Path B3 error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-257 SonetPathLossOfCodegroupDelineationError

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfCodegroupDelineationError (248) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfCodegroupDelineationError (185)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLCD error. The alarm corresponds to the plcd alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Codegroup Delineation Error') AND ('Report Alarms'anyBit'Path Loss of Codegroup Delineation Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 20-258 SonetPathLossOfPointer

Alarm	Attributes	Applicable major releases
Name: SonetPathLossOfPointer (130) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathLossOfPointer (64)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PLOP error. The alarm corresponds to the plop alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Loss of Pointer') AND ('Report Alarms'anyBit'Path Loss of Pointer'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-259 SonetPathPayloadMismatch

Alarm	Attributes	Applicable major releases
Name: SonetPathPayloadMismatch (133) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathPayloadMismatch (67)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a PPLM error on a channel, after which the channel is set operationally down. The alarm corresponds to the pplm alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Payload Mismatch') AND ('Report Alarms'anyBit'Path Payload Mismatch'))))		
<b>Remedial action:</b> Informational only.		

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Table 20-260 SonetPathRemoteB3Error

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteB3Error (134) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteB3Error (68)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path error condition that a remote NE raises because of b3 errors received from the local NE. The alarm corresponds to the prei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote B3 Error') AND ('Report Alarms'anyBit'Path Remote B3 Error'))		
<b>Remedial action:</b> Check the remote NE is configured correctly and its physical layer cabling is operating correctly.		

Table 20-261 SonetPathRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: SonetPathRemoteDefectIndication (131) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathRemoteDefectIndication (65)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a remote PAIS error. The alarm corresponds to the pais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Remote Defect Indication') AND ('Report Alarms'anyBit'Path Remote Defect Indication'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-262 SonetPathUnequippedPathError

Alarm	Attributes	Applicable major releases
Name: SonetPathUnequippedPathError (143) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetChannelMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: pathUnequippedPathError (114)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a path unequipped error. The alarm corresponds to the Path Alarm Unequipped Path Error alarm on an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Path Alarm Unequipped Path Error') AND ('Report Alarms'anyBit'Path Alarm Unequipped Path Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 20-263 SpbAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 20-264 SpbInterfaceDown

Alarm	Attributes	Applicable major releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

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Table 20-265 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 20-266 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 20-267 StpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: StpExceptionCondition (297) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP exception condition, for example, one-way communication or a downstream loop. The alarm clears when the STP condition changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

Table 20-268 StpRootGuardViolation

Alarm	Attributes	Applicable major releases
Name: StpRootGuardViolation (503) Type: AccessInterfaceAlarm (32) Package: l2fwd Raised on class: l2fwd.AccessInterfaceStp	Severity: warning Implicitly cleared: true Default probable cause: spanningTreeTopologyChanged (331)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SAP detects an STP root guard violation.		
<b>Raising condition:</b> ('Root Guard Violation' EQUAL 'true')		
<b>Clearing condition:</b> ('Root Guard Violation' NOT EQUAL 'true')		
<b>Remedial action:</b> Set 'Root Guard' to false if not necessary.		

Table 20-269 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 20-270 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 20-271 svcMacFdbTabelFull

Alarm	Attributes	Applicable major releases
Name: svcMacFdbTabelFull (3890) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the system limit of FDB records is reached.		
<b>Remedial action:</b> The alarm is raised when system limit of FDB records is reached.		

Table 20-272 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 20-273 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

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Table 20-274 TPLSPDown

Alarm	Attributes	Applicable major releases
Name: TPLSPDown (4900) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLsp	Severity: critical Implicitly cleared: true Default probable cause: TPLSPDown (1957)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP is down, despite the Administrative state being up. Review the configuration and make sure that the destination information is set correctly and that the Administrative state is up.		

Table 20-275 TPLSPPATHDown

Alarm	Attributes	Applicable major releases
Name: TPLSPPATHDown (4901) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.TPLspPath	Severity: critical Implicitly cleared: true Default probable cause: TPLSPPATHDown (1958)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the TP LSP Path Administrative State is Up and the Operational State is Down. The alarm clears when the TP LSP Path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The Operational state of the TP LSP Path is down, despite the Administrative state being up. Review the configuration and make sure that the Administrative state is up, the egress and ingress labels are set and the Out-Link interface is operationally up.		

Table 20-276 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 20-277 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

**Table 20-278 TrapRoutePreferenceRedundancyMissing**

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

**Table 20-279 TunnelAdministrativelyDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

**Table 20-280 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

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**Table 20-281 TunnelDown (mpls)**

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

**Table 20-282 TunnelDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		



Table 20-283 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 20-284 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 20-285 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 20-286 UnsupportedSFFinInterConnectPort

Alarm	Attributes	Applicable major releases
Name: UnsupportedSFFinInterConnectPort (5659) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.InterConnectPort	Severity: minor Implicitly cleared: true Default probable cause: UnsupportedSFFinInterConnectPort (2435)	<ul style="list-style-type: none"> <li>12.0</li> </ul>
<b>Description:</b> The UnsupportedSFFinInterConnectPort alarm is generated by 7950 XRS-40 when SFF is not recognized by the system or wrong SFF model different from which ALU has recommended is used. The SFF device is not operational and the associated interconnect port cannot be used.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Unsupported SFF')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> The Small Form Factor (SFF) used in interconnect port seems to be unsupported type, please use the appropriate SFF which ALU has recommended, if the SFF is correct please remove and re-insert the SFF device. If the problem persists then replace the SFF device.		

Table 20-287 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 20-288 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-289 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 20-290 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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**Table 20-291 VirtualNeighborDown**

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>10.0</li> <li>11.0</li> <li>11.0.R4</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 20-292 VRtrIfDDosDynamicExceeded**

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosDynamicExceeded (4887) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>11.0</li> <li>12.0</li> </ul>
<b>Description:</b> The alarm is raised when the protocol on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpDynamicExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface completes hold-down period for an exceeding protocol (on receiving vRtrIfDcpDynamicHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the protocol for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpDynamicConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 20-293 VRtrIfDDosLocMonitorExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosLocMonitorExceeded (4888) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system will attempt to allocate dynamic enforcement policers (on receiving sapDcpLocMonExcd trap), and the alarm status is set as non-conformant. When all dynamic enforcement policers associated with a non-conformant local-monitoring-policer have been successfully allocated for the network interface (on receiving sapDcpLocMonExcdAllDynAlloc trap), the alarm status will be changed into non-conformant(Located All). When the local-monitoring-policer for a particular network interface has transitioned from a conformant state to a non-conformant state and the system cannot allocate all the dynamic enforcement policers associated with the distributed CPU protection policy (on receiving sapDcpLocMonExcdDynResource trap), the alarm status will be changed into non-conformant(Cannot Allocate All). When all the previously allocated dynamic enforcement policers for a particular local-monitoring-policer on the associated distributed CPU protection policy have been freed up and all the protocols are once again being monitored by local-monitor (on receiving sapDcpLocMonExcdAllDynFreed trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

Table 20-294 VRtrIfDDosStaticExceeded

Alarm	Attributes	Applicable major releases
Name: VRtrIfDDosStaticExceeded (4889) Type: securityServiceOrMechanismViolation (92) Package: rtr Raised on class: rtr.VirtualInterface	Severity: warning Implicitly cleared: true Default probable cause: ExceedingPolicingParameters (1950)	<ul style="list-style-type: none"> <li>• 11.0</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the static-policer on a particular network interface has been detected as non-conformant to the associated distributed CPU protection policy parameters (on receiving vRtrIfDcpStaticExcd trap) and the alarm status is set as non-conformant. When the network interface starts hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownStart trap), the alarm status will change into non-conformant(Hold Down Start). When the network interface ends hold-down period for the exceeding static-policer (on receiving vRtrIfDcpStaticHoldDownEnd trap), the alarm status will be changed into non-conformant(Hold Down End). When the static-policer for the network interface has been detected as conformant for a period of the configured detection-time after having been previously detected as exceeding and completed any hold-down period (on receiving vRtrIfDcpStaticConform trap), the alarm will be cleared.		
<b>Remedial action:</b> Appropriate configuration changes to the distributed CPU protection policy or to the affected network interface may be required.		

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Table 20-295 WaveTrackerEncoderDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderDegrade (821) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderDegrade (584)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Degrade') AND ('Reported Alarms'anyBit'Encoder Degrade'))		
<b>Remedial action:</b> The OT or SVAC card has detected a DSP failure and this means that the wavelength tracker encode power control is compromised. If this occurs during steady state operation, there is a high probability that the services carried by this OT or SVAC are unaffected. To clear this alarm, replace the card. The card replacement procedure is service affecting and should be conducted during a maintenance window.		

Table 20-296 WaveTrackerEncoderFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerEncoderFailure (822) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: EncoderFailure (585)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports an encoder failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Encoder Failure') AND ('Reported Alarms'anyBit'Encoder Failure'))		
<b>Remedial action:</b> A cold reset, reseal, or replacement of a card is service impacting if the card is currently carrying services. If there are services currently carried over the card, it may be best to wait for a maintenance window before resetting, replacing, or resealing the card. Confirm that replacement OT or SVAC card supports the same band as the alarmed OT or SVAC card and connect all fibers to the replacement OT or SVAC card.		

Table 20-297 WaveTrackerMissingPluggableVOA

Alarm	Attributes	Applicable major releases
Name: WaveTrackerMissingPluggableVOA (4618) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: MissingPluggableVOA (1887)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Missing Pluggable VOA') AND ('Reported Alarms'anyBit'Missing Pluggable VOA'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 20-298 WaveTrackerPowerControlDegrade

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlDegrade (823) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlDegrade (586)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control degradation on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Degrade') AND ('Reported Alarms'anyBit'Power Control Degrade'))))		
<b>Remedial action:</b> check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.		

Table 20-299 WaveTrackerPowerControlFailure

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlFailure (824) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: critical Implicitly cleared: true Default probable cause: PowerControlFailure (587)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control failure on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Failure') AND ('Reported Alarms'anyBit'Power Control Failure'))))		
<b>Remedial action:</b> Either alarmed card has detected equipment problem or there is misfiber problem such that a light-emitting fiber has been plugged into the Tx port of aWavelength Tracker encoder-equipped transponder card.If the card is a transponder card that is equipped with aWavelength Tracker encoder, check to see that the fiber for that card is correct. Remove the fiber from the Tx port on the transponder card. If the condition clears after 20 seconds, then this is a misfiber problem.the card is an SVAC, or if there is no fiber problem on the transponder card.Disconnect all fibers on the alarmed card and Replace the card. connect all fibers to the replacement card		

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Table 20-300 WaveTrackerPowerControlHighlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlHighlimit (825) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlHighlimit (588)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control high limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control High limit reached') AND ('Reported Alarms'anyBit'Power Control High limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-301 WaveTrackerPowerControlLowlimit

Alarm	Attributes	Applicable major releases
Name: WaveTrackerPowerControlLowlimit (826) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: PowerControlLowlimit (589)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a power control low limit on a wavelength tracker interface.		
<b>Raising condition:</b> (('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))		
<b>Clearing condition:</b> NOT (((('Configured Alarms'anyBit'Power Control Low limit reached') AND ('Reported Alarms'anyBit'Power Control Low limit reached'))))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 20-302 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL \"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL \"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Table 20-303 XplError**

Alarm	Attributes	Applicable major releases
Name: XplError (573) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.DaughterCard	Severity: minor Implicitly cleared: true Default probable cause: xplError (443)	<ul style="list-style-type: none"> <li>• 10.0</li> <li>• 11.0</li> <li>• 11.0.R4</li> <li>• 12.0</li> </ul>
<b>Description:</b> The alarm is raised when an MDA reports persistent XPL Errors.		
<b>Raising condition:</b> ('Number Of Notifications' NOT EQUAL '0')		
<b>Clearing condition:</b> ('Number Of Notifications' EQUAL '0')		
<b>Remedial action:</b> Informational - if the condition persists then the MDA indicated in the alarm should be replaced.		



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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 21-1 actionsaborted**

Alarm	Attributes	Applicable major releases
Name: actionsaborted (6248) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of action aborted		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-2 actionsfailed

Alarm	Attributes	Applicable major releases
Name: actionsfailed (6249) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of action failed		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-3 actionsqueued

Alarm	Attributes	Applicable major releases
Name: actionsqueued (6250) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of action queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-4 actionsqueuedfunctionsaddobject

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsaddobject (6251) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of addobject function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-5 actionsqueuedfunctionsbackup

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsbackup (6252) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of backup function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-6 actionsqueuedfunctionsconfigurationdownload

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsconfigurationdownload (6253) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of configurationdownload function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-7 actionsqueuedfunctionsconfigurationupload

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsconfigurationupload (6254) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of configurationupload function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-8 actionsqueuedfunctionsconnect

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsconnect (6255) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of connect function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-9 actionsqueuedfunctionsdeleteobject**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsdeleteobject (6256) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of deleteobject function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-10 actionsqueuedfunctionsfactoryreset**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsfactoryreset (6257) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of factoryreset function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-11 actionsqueuedfunctionsfirmwareupdate**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsfirmwareupdate (6258) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of firmwareupdate function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-12 actionsqueuedfunctionsgetoptions

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetoptions (6259) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getoptions function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-13 actionsqueuedfunctionsgetparameterattributes

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetparameterattributes (6260) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getparameterattributes function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-14 actionsqueuedfunctionsgetparameternames

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetparameternames (6261) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getparametervalues function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-15 actionsqueuedfunctionsgetparametervalue**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetparametervalue (6262) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getqueuedtransfers function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-16 actionsqueuedfunctionsgetqueuedtransfers**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetqueuedtransfers (6263) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getrpcmethods function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-17 actionsqueuedfunctionsgetrpcmethods**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsgetrpcmethods (6264) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of reboot function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 21-18 actionsqueuedfunctionsreboot**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsreboot (6265) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of restore function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-19 actionsqueuedfunctionsrestore**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsrestore (6266) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of restore function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-20 actionsqueuedfunctionsscheduleinform**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionsscheduleinform (6267) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of .scheduleinform function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-21 actionsqueuedfunctionssetparameterattributes**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionssetparameterattributes (6268) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of setparameterattributes function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-22 actionsqueuedfunctionssetparametervalues**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionssetparametervalues (6269) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of setparametervalues function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-23 actionsqueuedfunctionssetvouchers**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionssetvouchers (6270) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of setvouchers function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-24 actionsqueuedfunctionssnmpgetparametervalues**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionssnmpgetparametervalues (6271) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of snmpgetparametervalues function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-25 actionsqueuedfunctionssnmpsetparametervalues**

Alarm	Attributes	Applicable major releases
Name: actionsqueuedfunctionssnmpsetparametervalues (6272) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of snmpsetparametervalues function queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-26 actionssucceeded**

Alarm	Attributes	Applicable major releases
Name: actionssucceeded (6273) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of action succeeded		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-27 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 21-28 AGPS\_agpsServiceFailure**

Alarm	Attributes	Applicable major releases
Name: AGPS_agpsServiceFailure (5676) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.AGPS	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Fault is raised if a failure is detected on the Assisted GPS Service		
<b>Remedial action:</b> NA		

**Table 21-29 AGPS\_noAGPSInfoinUEBasedAGPS**

Alarm	Attributes	Applicable major releases
Name: AGPS_noAGPSInfoinUEBasedAGPS (5677) Type: integrityViolation (85) Package: femto Raised on class: femto.AGPS	Severity: major Implicitly cleared: true Default probable cause: informationMissing (792)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when the CN request a UE based AGPS positioning, and the Small Cell fails to get the AGPS from its AGPS caching proxy.If this happen, Small cell will not be able to forward any AGPS information to UE, and thus will not be able to perform AGPS based localization.		
<b>Remedial action:</b> NA		

Table 21-30 AGPS\_notEnoughAGPSInfo

Alarm	Attributes	Applicable major releases
Name: AGPS_notEnoughAGPSInfo (5678) Type: integrityViolation (85) Package: femto Raised on class: femto.AGPS	Severity: minor Implicitly cleared: true Default probable cause: informationMissing (792)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that the number of GPS satellites for which navigations models are available to the iSMLC is insufficient. This impacts the iSMLC's capability to provide assistance data, if the error persists over a longer period of time. If insufficient amount of GPS navigation data is available, AGPS positioning MIGHT fail and consequently the positioning accuracy are compromised. The iSMLC continuously receives navigation models for less than 4 GPS satellites over a period of 10 minutes.		
<b>Remedial action:</b> NA		

Table 21-31 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 21-32 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 21-33 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 21-34 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 21-35 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 21-36 BSR\_agpsServiceUnavailable

Alarm	Attributes	Applicable major releases
Name: BSR_agpsServiceUnavailable (5803) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the AGPS Service is unavailable		
<b>Remedial action:</b> NA		

Table 21-37 BSR\_allReservedFemtoCellsInUse

Alarm	Attributes	Applicable major releases
Name: BSR_allReservedFemtoCellsInUse (5804) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Neighbour determination mechanisms have discovered that all Femto reserved scrambling codes in the neighbourhood of the H-BSR are in use. This is due to Insufficient reserved PSC for the deployment scenario.		
<b>Remedial action:</b> NA		

Table 21-38 BSR\_applicationInsane

Alarm	Attributes	Applicable major releases
Name: BSR_applicationInsane (5805) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Application software is not functioning properly. - This is raised for persistent audit failures.		
<b>Remedial action:</b> NA		

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Table 21-39 BSR\_autoconfigfailure

Alarm	Attributes	Applicable major releases
Name: BSR_autoconfigfailure (5806) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Auto-configuration failure.		
<b>Remedial action:</b> NA		

Table 21-40 BSR\_basebandReconfigfailed

Alarm	Attributes	Applicable major releases
Name: BSR_basebandReconfigfailed (5808) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Reconfiguration of the baseband array is failed.		
<b>Remedial action:</b> NA		

Table 21-41 BSR\_bCHGuardTimeExpired

Alarm	Attributes	Applicable major releases
Name: BSR_bCHGuardTimeExpired (5807) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> BCH Decode guard timer has expired.		
<b>Remedial action:</b> NA		



Table 21-42 BSR\_bsrlidClash

Alarm	Attributes	Applicable major releases
Name: BSR_bsrlidClash (5809) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the BSR-Id is already used by another BSR.		
<b>Remedial action:</b> NA		

Table 21-43 BSR\_cellBroadcastOverload

Alarm	Attributes	Applicable major releases
Name: BSR_cellBroadcastOverload (5810) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when CBS messages are rejected due to CBS Admission Control.		
<b>Remedial action:</b> NA		

Table 21-44 BSR\_cellSearchGuardTimeExpired

Alarm	Attributes	Applicable major releases
Name: BSR_cellSearchGuardTimeExpired (5811) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Cell Search function guard timer has expired.		
<b>Remedial action:</b> NA		

Table 21-45 BSR\_conflictingCIO

Alarm	Attributes	Applicable major releases
Name: BSR_conflictingCIO (5812) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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21 – Alcatel-Lucent 936x/996x SmallCell alarms

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is raised when there are multiple neighbour cells which cannot be uniquely identified in UE measurement reports for which different values of Cell Individual Offset will be applied. This shall apply for 3G neighbour cells when there is ARFCN/PSC reuse and 2G neighbour cells where there is ARFCN reuse without BSIC used to identify the cell. This warning shall be automatically cleared when conflicting CIO condition no longer exists.		
<b>Remedial action:</b> NA		

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Table 21-46 BSR\_conflictingQoffset

Alarm	Attributes	Applicable major releases
Name: BSR_conflictingQoffset (5813) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when there are multiple neighbour cells which cannot be uniquely identified for which different values of Qoffset have been configured. This shall apply for 3G neighbour cells when there is ARFCN/PSC reuse. This warning shall be automatically cleared when conflicting offset condition no longer exists.		
<b>Remedial action:</b> NA		

Table 21-47 BSR\_creationOfSecondSAFailed

Alarm	Attributes	Applicable major releases
Name: BSR_creationOfSecondSAFailed (5814) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The creation of the second Child SA on 1st IPsec tunnel failed. Femto BSR goes to disabled/degraded state. This fault can be cleared by a local or remote Femto BSR reset or if the IPsec tunnel #1 will be established during a fault handling procedure; i.e. handling of IPsec Tunnel down.		
<b>Remedial action:</b> NA		

Table 21-48 BSR\_detectedCollapsingLAI

Alarm	Attributes	Applicable major releases
Name: BSR_detectedCollapsingLAI (5815) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LAI value conflicts with another one in use already.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> NA		

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**Table 21-49 BSR\_deviceAuthenticationFailure**

Alarm	Attributes	Applicable major releases
Name: BSR_deviceAuthenticationFailure (5816) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if device authentication fails.		
<b>Remedial action:</b> NA		

**Table 21-50 BSR\_frequencyOutOfSync**

Alarm	Attributes	Applicable major releases
Name: BSR_frequencyOutOfSync (5817) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: lossOfSynchronisation (2444)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm triggered when frequency goes out of sync		
<b>Remedial action:</b> NA		

**Table 21-51 BSR\_gatewayConnectivityProblemsStandbyNode**

Alarm	Attributes	Applicable major releases
Name: BSR_gatewayConnectivityProblemsStandbyNode (5819) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the number of times the connection to the standby node has been dropped exceeds the defined threshold over the PM granularity period.		
<b>Remedial action:</b> NA		

**Table 21-52 BSR\_gatewayConnectivityProblemsStandbyNode**

Alarm	Attributes	Applicable major releases
Name: BSR_gatewayConnectivityProblemsStandbyNode (5820) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the number of times the connection to the standby node has been dropped exceeds the defined threshold over the PM granularity period.		
<b>Remedial action:</b> NA		

**Table 21-53 BSR\_gGSNselectionFailure**

Alarm	Attributes	Applicable major releases
Name: BSR_gGSNselectionFailure (5818) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if PDP Context Activation attempt by UE that received GGSN selection support resulted in a PDP Context Rejection by the SGSN. Likely invalid Replacement APN configured in attribute BSR::gGSNselectionReplacementAPN.		
<b>Remedial action:</b> NA		

**Table 21-54 BSR\_gsmBandNotSupported**

Alarm	Attributes	Applicable major releases
Name: BSR_gsmBandNotSupported (5822) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Hardware is not compatible with the gsm band configured.		
<b>Remedial action:</b> NA		

Table 21-55 BSR\_gsmBCCHDecodeGuardTimerExpired

Alarm	Attributes	Applicable major releases
Name: BSR_gsmBCCHDecodeGuardTimerExpired (5821) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> BCCH Decode guard timer has expired for 2G Network Listening (Baseband based).		
<b>Remedial action:</b> NA		

Table 21-56 BSR\_gsmCellSearchGuardTimerExpired

Alarm	Attributes	Applicable major releases
Name: BSR_gsmCellSearchGuardTimerExpired (5823) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Cell Search function guard timer has expired for 2G Network Listening (Baseband based).		
<b>Remedial action:</b> NA		

Table 21-57 BSR\_gsmThresholdCriteriaNotMet

Alarm	Attributes	Applicable major releases
Name: BSR_gsmThresholdCriteriaNotMet (5824) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The threshold criteria for detection of gsm cells has not been met and this has resulted in an open search for more cells.		
<b>Remedial action:</b> NA		

**Table 21-58 BSR\_hostingPartyAuthenticationFailure**

Alarm	Attributes	Applicable major releases
Name: BSR_hostingPartyAuthenticationFailure (5825) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if hosting party authentication fails.		
<b>Remedial action:</b> NA		

**Table 21-59 BSR\_hsimNotPresent**

Alarm	Attributes	Applicable major releases
Name: BSR_hsimNotPresent (5826) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: otherSecurityService (2445)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if no HSIM is present on the UICC and the SecGW requires Hosting Party authentication.		
<b>Remedial action:</b> NA		

**Table 21-60 BSR\_invalidDatabaseDetected**

Alarm	Attributes	Applicable major releases
Name: BSR_invalidDatabaseDetected (5827) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The BSR detects an invalid database e.g. due to a consistency error.		
<b>Remedial action:</b> NA		

Table 21-61 BSR\_invalidMocnConfiguration

Alarm	Attributes	Applicable major releases
Name: BSR_invalidMocnConfiguration (5828) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when default operator is not configured when required to select MOCN operator for nonsupporting UE. Alarm data shall include 'Neighbour cells not found' when mocnOperatorSelection is set to 'macroPLMN' and macro cells are not detected and default MOCN operator is not configured.		
<b>Remedial action:</b> NA		

Table 21-62 BSR\_ipsecConfigurationAlarm

Alarm	Attributes	Applicable major releases
Name: BSR_ipsecConfigurationAlarm (5829) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Femto BSR detected a SW-incompatibility on IPsec Router for the requested IPsec configuration. Femto BSR goes to disabled/degraded state. This fault can be cleared by a local or remote Femto BSR reset or if the IPsec tunnel #1 will be established during a fault handling procedure; i.e. handling of IPsec Tunnel down.		
<b>Remedial action:</b> NA		

Table 21-63 BSR\_ipsecTunnelAlarm

Alarm	Attributes	Applicable major releases
Name: BSR_ipsecTunnelAlarm (5830) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The establishment of 2nd IPsec tunnel failed or 2nd IPsec tunnel goes down. Femto BSR goes to disabled/failed state but OA&M is still active. This fault can be cleared after a successful tunnel establishment during a fault handling procedure.		
<b>Remedial action:</b> NA		

**Table 21-64 BSR\_ipsecTunnelFailureNoResponse**

Alarm	Attributes	Applicable major releases
Name: BSR_ipsecTunnelFailureNoResponse (5831) Type: communicationsAlarm (4) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the Femto BSR did not receive a response to IKE_INIT or IKE_AUTH, if Dead Peer Detection (DPD) encountered an unresponsive SeGW, or if the Femto BSR could not resolve the SeGW FQDN to an IP address (when/if FQDN was used).		
<b>Remedial action:</b> NA		

**Table 21-65 BSR\_ipsecTunnelFailureUnknownCause**

Alarm	Attributes	Applicable major releases
Name: BSR_ipsecTunnelFailureUnknownCause (5832) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates a failure to connect to the SeGW which could not be classified. It is used only if none of the more specific error types is suitable. Additional alarm text could be provided to qualify the fault.		
<b>Remedial action:</b> NA		

**Table 21-66 BSR\_isolatedCellOverlapped**

Alarm	Attributes	Applicable major releases
Name: BSR_isolatedCellOverlapped (5833) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> If the isolated cell detects any other isolated cells or Femtos, this fault is raised to indicate an overlap with at least another cell.		
<b>Remedial action:</b> NA		



**Table 21-67 BSR\_ImcFailure**

Alarm	Attributes	Applicable major releases
Name: BSR_ImcFailure (5834) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when either or all of the Location, Movement and National Location Lock check failed.		
<b>Remedial action:</b> NA		

**Table 21-68 BSR\_lossOfSyncSourceGps**

Alarm	Attributes	Applicable major releases
Name: BSR_lossOfSyncSourceGps (5835) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: synchronizationSourceMismatch (638)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm triggered when sync source is lost via GPS		
<b>Remedial action:</b> NA		

**Table 21-69 BSR\_lossOfSyncSourceNtp**

Alarm	Attributes	Applicable major releases
Name: BSR_lossOfSyncSourceNtp (5836) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: synchronizationSourceMismatch (638)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm triggered when sync source is lost via NTP		
<b>Remedial action:</b> NA		

**Table 21-70 BSR\_lteServiceUnavailable**

Alarm	Attributes	Applicable major releases
Name: BSR_lteServiceUnavailable (5837) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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21 – Alcatel-Lucent 936x/996x SmallCell alarms

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is created when the one or more 4G subsystems have some unrecoverable error or failed.		
<b>Remedial action:</b> NA		

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Table 21-71 BSR\_misConfigurationWarmStandby

Alarm	Attributes	Applicable major releases
Name: BSR_misConfigurationWarmStandby (5838) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the IP addresses and warm standby feature are configured in an inconsistent fashion (e.g. using Active warm standby feature on Femto with the floating IP address configured).		
<b>Remedial action:</b> NA		

Table 21-72 BSR\_noCarrierSelected

Alarm	Attributes	Applicable major releases
Name: BSR_noCarrierSelected (5839) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The fault is raised when no carrier for the FBSR can be selected under different situations, which are detailed in AdditionalText.		
<b>Remedial action:</b> NA		

Table 21-73 BSR\_noMacroCellFound

Alarm	Attributes	Applicable major releases
Name: BSR_noMacroCellFound (5840) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if no macro cells were found and dynamic LAC-SAC is enabled and there is no provisioning to fallback on.		
<b>Remedial action:</b> NA		

**Table 21-74 BSR\_ntpDrift**

Alarm	Attributes	Applicable major releases
Name: BSR_ntpDrift (5841) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when either forward or backward NTP drift is greater than one minute.		
<b>Remedial action:</b> Adjust the NTP drift.		

**Table 21-75 BSR\_queueOverload**

Alarm	Attributes	Applicable major releases
Name: BSR_queueOverload (5842) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This is reported when no free paging occasion is found for scheduling a paging record.		
<b>Remedial action:</b> NA		

**Table 21-76 BSR\_resetCompleted**

Alarm	Attributes	Applicable major releases
Name: BSR_resetCompleted (5843) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: warning Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when a reset was successfully performed and BSR is 'stable' for a certain time after the reset.		
<b>Remedial action:</b> NA		

**Table 21-77 BSR\_resetFailed**

Alarm	Attributes	Applicable major releases
Name: BSR_resetFailed (5844) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when the reset action is failed by platform.		
<b>Remedial action:</b> NA		

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Table 21-78 BSR\_resetInitiated

Alarm	Attributes	Applicable major releases
Name: BSR_resetInitiated (5845) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: warning Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated short before the BSR resets (reset will be delayed for a few seconds). It contains the reset cause 'manually initiated' or 'autonomously initiated'.		
<b>Remedial action:</b> NA		

Table 21-79 BSR\_sameLaRaMacroAutoConfigFail

Alarm	Attributes	Applicable major releases
Name: BSR_sameLaRaMacroAutoConfigFail (5846) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the same LAC/RAC Macro auto configuration fails, but the BSR Femto remains in service.		
<b>Remedial action:</b> NA		

Table 21-80 BSR\_sameLaRaMacroAutoConfigFailOutOfService

Alarm	Attributes	Applicable major releases
Name: BSR_sameLaRaMacroAutoConfigFailOutOfService (5847) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the Femto BSR has been configured to set its LAC/RAC from the macro cell and the BSR cannot find one and results in the BSR Femto being taken out of service.		
<b>Remedial action:</b> NA		

Table 21-81 BSR\_securityViolation

Alarm	Attributes	Applicable major releases
Name: BSR_securityViolation (5848) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: unauthorizedAccessAttempt (800)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when the BSR-OAM detects an un-authorized interface access of BSR.		
<b>Remedial action:</b> NA		

Table 21-82 BSR\_selfoptNotRun

Alarm	Attributes	Applicable major releases
Name: BSR_selfoptNotRun (5849) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Self optimization has not been run during the quiet period allotted as active calls present.		
<b>Remedial action:</b> NA		

Table 21-83 BSR\_softwareCompatibilityError

Alarm	Attributes	Applicable major releases
Name: BSR_softwareCompatibilityError (5850) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> BSR has received an Error Indication in BSRAP protocol.		
<b>Remedial action:</b> NA		

Table 21-84 BSR\_systemOverload

Alarm	Attributes	Applicable major releases
Name: BSR_systemOverload (5851) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is raised for CPU overload and Memory overload.		
<b>Remedial action:</b> NA		

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**Table 21-85 BSR\_tamperDetected**

Alarm	Attributes	Applicable major releases
Name: BSR_tamperDetected (5852) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: unauthorizedAccessAttempt (800)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if tampering access has been detected by the Femto BSR.		
<b>Remedial action:</b> NA		

**Table 21-86 BSR\_thresholdCriteriaNotMet**

Alarm	Attributes	Applicable major releases
Name: BSR_thresholdCriteriaNotMet (5853) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The threshold criteria for detection of cells has not been met and this has resulted in an open search for more cells.		
<b>Remedial action:</b> NA		

**Table 21-87 BSR\_timeOutOfSync**

Alarm	Attributes	Applicable major releases
Name: BSR_timeOutOfSync (5854) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: lossOfSynchronisation (2444)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm triggered when time goes out of sync as a result of failing to synchronize with timing source.		
<b>Remedial action:</b> NA		

Table 21-88 BSR\_txPowerConfigurationWarning

Alarm	Attributes	Applicable major releases
Name: BSR_txPowerConfigurationWarning (5855) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if a BSR spends greater than thrJCOOverload percent of time at reduced power output.		
<b>Remedial action:</b> NA		

Table 21-89 BSR\_txPowerLimitReached

Alarm	Attributes	Applicable major releases
Name: BSR_txPowerLimitReached (5856) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if a BSR calculates that a power change required as part of JCO algorithm would make the Femto operate outside of its configured Tx Power limits.		
<b>Remedial action:</b> NA		

Table 21-90 BSR\_umtsBandNotSupported

Alarm	Attributes	Applicable major releases
Name: BSR_umtsBandNotSupported (5857) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Hardware is not compatible with the umts band configured.		
<b>Remedial action:</b> NA		

**Table 21-91 BSR\_unknownTimeOfDay**

Alarm	Attributes	Applicable major releases
Name: BSR_unknownTimeOfDay (5858) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if following a reset the FemtoBSR is able to establish a connection to the Mobile Operator's network but is unable to set the time of day from the SNTP server. It is also raised if the FemtoBSR is able to set the time of day, but is subsequently unable to update it from the SNTP server for a period of 7 days.		
<b>Remedial action:</b> NA		

**Table 21-92 BSR\_wcdmaServiceUnavailable**

Alarm	Attributes	Applicable major releases
Name: BSR_wcdmaServiceUnavailable (5859) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when the one or more 3G subsystems have some unrecoverable error or failed.		
<b>Remedial action:</b> NA		

**Table 21-93 CECTL\_layer1CommunicationFailure**

Alarm	Attributes	Applicable major releases
Name: CECTL_layer1CommunicationFailure (5881) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CECTL	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Layer1 fails to respond.		
<b>Remedial action:</b> NA		



Table 21-94 CECTL\_layerOneResetFailure

Alarm	Attributes	Applicable major releases
Name: CECTL_layerOneResetFailure (5882) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CECTL	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Reset of layer one failed.		
<b>Remedial action:</b> NA		

Table 21-95 CECTL\_picoArrayCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: CECTL_picoArrayCommunicationFailure (5883) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CECTL	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Picoarray fails to respond.		
<b>Remedial action:</b> NA		

Table 21-96 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

**Table 21-97 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 21-98 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 21-99 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 21-100 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 21-101 cpeauthactiveconnectionscurrentcount

Alarm	Attributes	Applicable major releases
Name: cpeauthactiveconnectionscurrentcount (6274) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CPE Authentication Active Connections Current Count		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-102 cpeauthactiveconnectionshighcount

Alarm	Attributes	Applicable major releases
Name: cpeauthactiveconnectionshighcount (6275) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> HDM CPE Authentication Active Connections High Count		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-103 cpeauthcurrcapacity**

Alarm	Attributes	Applicable major releases
Name: cpeauthcurrcapacity (6276) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CPE Authentication current capacity		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-104 cpeauthfailedreserverequestcount**

Alarm	Attributes	Applicable major releases
Name: cpeauthfailedreserverequestcount (6277) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CPE Authentication failed reserve request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-105 cpeauthleakedconnectioncount**

Alarm	Attributes	Applicable major releases
Name: cpeauthleakedconnectioncount (6278) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CPE Authentication leaked connection count		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-106 cpeauthwaitingforconnectioncurrentcount

Alarm	Attributes	Applicable major releases
Name: cpeauthwaitingforconnectioncurrentcount (6279) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CPE Authentication waiting for connection count		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-107 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 21-108 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

**Table 21-109 EquipmentInTest**

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 21-110 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 21-111 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 21-112 FrameSizeProblem (netw)**

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

**Table 21-113 functionsaddobject**

Alarm	Attributes	Applicable major releases
Name: functionsaddobject (6280) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of addobject function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-114 functionsbackup**

Alarm	Attributes	Applicable major releases
Name: functionsbackup (6281) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of backup function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-115 functionsconfigurationdownload**

Alarm	Attributes	Applicable major releases
Name: functionsconfigurationdownload (6282) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of configurationdownload function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-116 functionsconfigurationupload**

Alarm	Attributes	Applicable major releases
Name: functionsconfigurationupload (6283) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of configurationupload function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-117 functionsconnect**

Alarm	Attributes	Applicable major releases
Name: functionsconnect (6284) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of connect function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-118 functionsdeleteobject**

Alarm	Attributes	Applicable major releases
Name: functionsdeleteobject (6285) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of deleteobject function		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-119 functionsfactoryreset**

Alarm	Attributes	Applicable major releases
Name: functionsfactoryreset (6286) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of factoryreset function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-120 functionsfirmwareupdate**

Alarm	Attributes	Applicable major releases
Name: functionsfirmwareupdate (6287) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of firmwareupdate function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-121 functionsgetoptions**

Alarm	Attributes	Applicable major releases
Name: functionsgetoptions (6288) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getoptions function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-122 functionsgetparameterattributes

Alarm	Attributes	Applicable major releases
Name: functionsgetparameterattributes (6289) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getparameterattributes function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-123 functionsgetparameternames

Alarm	Attributes	Applicable major releases
Name: functionsgetparameternames (6290) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getparameternames function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-124 functionsgetparametervalues

Alarm	Attributes	Applicable major releases
Name: functionsgetparametervalues (6291) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getparametervalues function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-125 functionsgetqueuedtransfers

Alarm	Attributes	Applicable major releases
Name: functionsgetqueuedtransfers (6292) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of getqueuedtransfers function		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-126 functionsgetrpcmethods**

Alarm	Attributes	Applicable major releases
Name: functionsgetrpcmethods (6293) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of getrpcmethods function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-127 functionsreboot**

Alarm	Attributes	Applicable major releases
Name: functionsreboot (6294) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of reboot function		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-128 functionsrestore**

Alarm	Attributes	Applicable major releases
Name: functionsrestore (6295) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of restore function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-129 functionsscheduleinform

Alarm	Attributes	Applicable major releases
Name: functionsscheduleinform (6296) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of scheduleinform function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-130 functionssetparameterattributes

Alarm	Attributes	Applicable major releases
Name: functionssetparameterattributes (6297) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of setparameterattributes function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-131 functionssetparametervalues

Alarm	Attributes	Applicable major releases
Name: functionssetparametervalues (6298) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of setparametervalues function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-132 functionssnmpgetparametervalues

Alarm	Attributes	Applicable major releases
Name: functionssnmpgetparametervalues (6299) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of snmpgetparametervalues function		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-133 functionssnmpsetparametervalues

Alarm	Attributes	Applicable major releases
Name: functionssnmpsetparametervalues (6300) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of snmpsetparametervalues function		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-134 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggnsn Raised on class: Iteggnsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 21-135 gccollectiontimeavg

Alarm	Attributes	Applicable major releases
Name: gccollectiontimeavg (6301) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The average GC collection time		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-136 gccount

Alarm	Attributes	Applicable major releases
Name: gccount (6302) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The GC count		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-137 gcfullcollectiontimeavg

Alarm	Attributes	Applicable major releases
Name: gcfullcollectiontimeavg (6303) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The average full GC collection time		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-138 gcfullcount

Alarm	Attributes	Applicable major releases
Name: gcfullcount (6304) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Full GC time		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-139 GPS\_femtoNotInAuthorizedAreaGPS

Alarm	Attributes	Applicable major releases
Name: GPS_femtoNotInAuthorizedAreaGPS (5992) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GPS	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Femto location detected by GPS not in the authorized location.		
<b>Remedial action:</b> NA		

Table 21-140 GPS\_gpsHardwareFailure

Alarm	Attributes	Applicable major releases
Name: GPS_gpsHardwareFailure (5993) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GPS	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> GPS module HW Failed.		
<b>Remedial action:</b> NA		

Table 21-141 GPS\_gpsLocationFailure

Alarm	Attributes	Applicable major releases
Name: GPS_gpsLocationFailure (5994) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GPS	Severity: critical Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> GPS receiver failed to return a location to the requested accuracy within the allowed duration.		
<b>Remedial action:</b> NA		

Table 21-142 GSMListener\_gsmATCmdFail

Alarm	Attributes	Applicable major releases
Name: GSMListener_gsmATCmdFail (5995) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GSMListener	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> AT command has failed.		
<b>Remedial action:</b> NA		

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Table 21-143 GSMListener\_gsmModuleATCmdTimeoutError

Alarm	Attributes	Applicable major releases
Name: GSMListener_gsmModuleATCmdTimeoutError (5996) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GSMListener	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Failure to receive a response from an AT command.		
<b>Remedial action:</b> NA		

Table 21-144 GSMListener\_gsmModuleFailtoInit

Alarm	Attributes	Applicable major releases
Name: GSMListener_gsmModuleFailtoInit (5997) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GSMListener	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> GSMListener module fails to initialize.		
<b>Remedial action:</b> NA		

Table 21-145 GSMListener\_gsmNoCellsFound

Alarm	Attributes	Applicable major releases
Name: GSMListener_gsmNoCellsFound (5998) Type: equipmentAlarm (3) Package: femto Raised on class: femto.GSMListener	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> No GSM cells have been found during a search.		
<b>Remedial action:</b> NA		



**Table 21-146 hdmworkmanagercwmpservletcompletedrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagercwmpservletcompletedrequests (6311) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CWMP Servlet workmanager completed request rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-147 hdmworkmanagercwmpservletpendingrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagercwmpservletpendingrequests (6312) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM CWMP Servlet workmanager pending request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-148 hdmworkmanagerdefaultcompletedrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagerdefaultcompletedrequests (6313) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM default workmanager completed request rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-149 hdmworkmanagerdefaultpendingrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagerdefaultpendingrequests (6314) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM default workmanager pending request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-150 hdmworkmanagernbiservicecompletedrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagernbiservicecompletedrequests (6315) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM NBI Service workmanager completed request rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-151 hdmworkmanagernbiservicependingrequests**

Alarm	Attributes	Applicable major releases
Name: hdmworkmanagernbiservicependingrequests (6316) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> HDM NBI workmanager pending request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-152 HIGHNRDEVDOWN

Alarm	Attributes	Applicable major releases
Name: HIGHNRDEVDOWN (6000) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> BSR has not contacted HDM in 5 minutes		
<b>Remedial action:</b> NA		

Table 21-153 httpacceptcount

Alarm	Attributes	Applicable major releases
Name: httpacceptcount (6317) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number if http accept		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-154 httpconnectionscount

Alarm	Attributes	Applicable major releases
Name: httpconnectionscount (6318) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of http connection		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-155 httpmessagessentrate

Alarm	Attributes	Applicable major releases
Name: httpmessagessentrate (6319) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The rate of http message sent		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-156 httpreceivedmessagesrate**

Alarm	Attributes	Applicable major releases
Name: httpreceivedmessagesrate (6320) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The rate of http message reception		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-157 httpsacceptcount**

Alarm	Attributes	Applicable major releases
Name: httpsacceptcount (6321) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number if https accept		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-158 httpsconnectionscount**

Alarm	Attributes	Applicable major releases
Name: httpsconnectionscount (6322) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of https connection		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-159 httpsmessagessentrate

Alarm	Attributes	Applicable major releases
Name: httpsmessagessentrate (6323) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The rate of https message sent		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-160 httpsreceivedmessagesrate

Alarm	Attributes	Applicable major releases
Name: httpsreceivedmessagesrate (6324) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The rate of https message reception		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-161 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 21-162 informall

Alarm	Attributes	Applicable major releases
Name: informall (6325) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform all		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-163 informboot

Alarm	Attributes	Applicable major releases
Name: informboot (6326) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform boot		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-164 informbootstrap

Alarm	Attributes	Applicable major releases
Name: informbootstrap (6327) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform bootstrap		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-165 informconnectionrequest

Alarm	Attributes	Applicable major releases
Name: informconnectionrequest (6328) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of inform connectionrequest		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-166 informdiagnosticscomplete**

Alarm	Attributes	Applicable major releases
Name: informdiagnosticscomplete (6329) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform diagnosticsComplete		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-167 informdownload**

Alarm	Attributes	Applicable major releases
Name: informdownload (6330) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform download		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-168 informkicked**

Alarm	Attributes	Applicable major releases
Name: informkicked (6331) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform kicked		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-169 informlatency**

Alarm	Attributes	Applicable major releases
Name: informlatency (6332) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform latency		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-170 informlatencymax**

Alarm	Attributes	Applicable major releases
Name: informlatencymax (6333) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform latency.max		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-171 informlatencymin**

Alarm	Attributes	Applicable major releases
Name: informlatencymin (6334) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform latency.min		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-172 informperiodic**

Alarm	Attributes	Applicable major releases
Name: informperiodic (6335) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of inform periodic		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-173 informreboot**

Alarm	Attributes	Applicable major releases
Name: informreboot (6336) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform reboot		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-174 informrequestdownload**

Alarm	Attributes	Applicable major releases
Name: informrequestdownload (6337) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform requestDownload		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-175 informscheduled**

Alarm	Attributes	Applicable major releases
Name: informscheduled (6338) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform scheduled		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-176 informscheduleinform

Alarm	Attributes	Applicable major releases
Name: informscheduleinform (6339) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform scheduleInform		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-177 informtransfercomplete

Alarm	Attributes	Applicable major releases
Name: informtransfercomplete (6340) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform transferComplete		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-178 informupload

Alarm	Attributes	Applicable major releases
Name: informupload (6341) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of inform upload		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-179 informvaluechange

Alarm	Attributes	Applicable major releases
Name: informvaluechange (6342) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of inform valueChange		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-180 invalidloginattemptstotalcount

Alarm	Attributes	Applicable major releases
Name: invalidloginattemptstotalcount (6343) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Invalid login attempt occurred on the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-181 ItfBGWY\_itfBSGdnsFailure

Alarm	Attributes	Applicable major releases
Name: ItfBGWY_itfBSGdnsFailure (6010) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBGWY	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is sent when ItfBGWY link failure is detected when no response is received to DNS messages attempting to resolve the FGW FQDN. This maybe caused by timeout or a protocol error.		
<b>Remedial action:</b> NA		

Table 21-182 ItfBGWY\_itfFGWfailure

Alarm	Attributes	Applicable major releases
Name: ItfBGWY_itfFGWfailure (6012) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBGWY	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that FBSR registration in FGW is failed due to reasons other than overload.		
<b>Remedial action:</b> NA		

**Table 21-183 ItfBGWY\_itfFGWoverload**

Alarm	Attributes	Applicable major releases
Name: ItfBGWY_itfFGWoverload (6013) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ItfBGWY	Severity: major Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that FGW is overloaded and FBSR should be re-registered.		
<b>Remedial action:</b> NA		

**Table 21-184 ItfBGWY\_itfFGWRegistrationFailure**

Alarm	Attributes	Applicable major releases
Name: ItfBGWY_itfFGWRegistrationFailure (6011) Type: operationalViolation (93) Package: femto Raised on class: femto.ItfBGWY	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the lu' BSR fails to register with the FGW following SCTP establishment, or update the registration for any reason other than BSR Id Clash.		
<b>Remedial action:</b> NA		

**Table 21-185 ItfBGWY\_noResponseFromBGWY**

Alarm	Attributes	Applicable major releases
Name: ItfBGWY_noResponseFromBGWY (6014) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBGWY	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that communication on the interface to BSR Gateway is interrupted. It is raised when a request from BSR application on interface to BSR Gateway timed out (typically the SCTP association is up).		
<b>Remedial action:</b> NA		

**Table 21-186 ItfBPG\_itfBPGdnsFailure**

Alarm	Attributes	Applicable major releases
Name: ItfBPG_itfBPGdnsFailure (6016) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBPG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is sent when ItfBPG link failure is detected when no response is received to DNS messages attempting to resolve the BPG FQDN. This maybe caused by timeout or a protocol error.		
<b>Remedial action:</b> NA		

**Table 21-187 ItfBPG\_itfBPGLinkFailure**

Alarm	Attributes	Applicable major releases
Name: ItfBPG_itfBPGLinkFailure (6015) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBPG	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is sent when ItfBPG link failure is detected when no response is received for a special DPAT procedure with version ="10 after exhausting all retries, or when no response received after 6 attempts at initialization."		
<b>Remedial action:</b> NA		

**Table 21-188 ItfBVG\_itfBVGdnsFailure**

Alarm	Attributes	Applicable major releases
Name: ItfBVG_itfBVGdnsFailure (6018) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBVG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when ItfBVG link failure is detected when no response is received to DNS messages attempting to resolve the BVG FQDN. This maybe caused by timeout or a protocol error.		
<b>Remedial action:</b> NA		

**Table 21-189 ItfBVG\_itfBVGLinkFailure**

Alarm	Attributes	Applicable major releases
Name: ItfBVG_itfBVGLinkFailure (6017) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ItfBVG	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when ItfBVG link failure is detected when no response id is received for keepalive messages on the BSR - BVG interface. This alarm is also sent when the initialising BVG binding update is not successful.		
<b>Remedial action:</b> NA		

**Table 21-190 luCSPrime\_csCnConnectivityLost**

Alarm	Attributes	Applicable major releases
Name: luCSPrime_csCnConnectivityLost (6023) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSPrime	Severity: critical Implicitly cleared: true Default probable cause: remoteNodeTransmissionError (714)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The BSR has detected a loss of connectivity to the CS Core Network, even though the transport layer is still connected.		
<b>Remedial action:</b> NA		

**Table 21-191 luPSUplane\_gTPEchoFailure**

Alarm	Attributes	Applicable major releases
Name: luPSUplane_gTPEchoFailure (6043) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPSUplane	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Echo failure on the luPS interface.		
<b>Remedial action:</b> NA		

**Table 21-192 jdbcactivecurrentconnectionscount**

Alarm	Attributes	Applicable major releases
Name: jdbcactivecurrentconnectionscount (6344) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of connections currently in use by applications		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-193 jdbcactivehighconnectionscount**

Alarm	Attributes	Applicable major releases
Name: jdbcactivehighconnectionscount (6345) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Highest number of active database connections in this instance of the data source since the data source was instantiated		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-194 jdbccurrcapacity**

Alarm	Attributes	Applicable major releases
Name: jdbccurrcapacity (6346) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Current database capacity		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-195 jdbcdbsize

Alarm	Attributes	Applicable major releases
Name: jdbcdbsize (6347) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> hdm database storage in use		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-196 jdbcdevicecount

Alarm	Attributes	Applicable major releases
Name: jdbcdevicecount (6348) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of devices defined in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-197 jdbcenabledetpolicycount

Alarm	Attributes	Applicable major releases
Name: jdbcenabledetpolicycount (6349) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of enabled and pending event-triggered policies defined in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-198 jdbcenableditpolicycount

Alarm	Attributes	Applicable major releases
Name: jdbcenableditpolicycount (6350) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Number of enabled instant-triggered policies defined in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-199 jdbcfailedactivations**

Alarm	Attributes	Applicable major releases
Name: jdbcfailedactivations (6351) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of devices stated as activation failed in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-200 jdbcfailedloginrate**

Alarm	Attributes	Applicable major releases
Name: jdbcfailedloginrate (6352) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of failed attempts of devices to Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-201 jdbcfailedreserverequestcount**

Alarm	Attributes	Applicable major releases
Name: jdbcfailedreserverequestcount (6353) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Number of reserve request failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-202 jdbcleakedconnectioncount**

Alarm	Attributes	Applicable major releases
Name: jdbcleakedconnectioncount (6354) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of leaked database connection		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-203 jdbcmanagementpolicycount**

Alarm	Attributes	Applicable major releases
Name: jdbcmanagementpolicycount (6355) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of management policies defined in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-204 jdbcpendingactivations**

Alarm	Attributes	Applicable major releases
Name: jdbcpendingactivations (6356) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Number of devices stated as activation pending in Home Device Manager		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-205 jdbcwaitingcurrentconnectionscount**

Alarm	Attributes	Applicable major releases
Name: jdbcwaitingcurrentconnectionscount (6357) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of connection requests waiting for a database connection		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-206 jmsconnectionrequestcurrentcount**

Alarm	Attributes	Applicable major releases
Name: jmsconnectionrequestcurrentcount (6358) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on connectionRequestQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-207 jmsconnectionrequestpendingcount**

Alarm	Attributes	Applicable major releases
Name: jmsconnectionrequestpendingcount (6359) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on connectionRequestQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-208 jmsconnectionrequestrate**

Alarm	Attributes	Applicable major releases
Name: jmsconnectionrequestrate (6360) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received Connection Request rate stored on connectionRequestQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-209 jmsdarcurentcount**

Alarm	Attributes	Applicable major releases
Name: jmsdarcurentcount (6361) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on deviceActionResultQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-210 jmsdarpendingcount**

Alarm	Attributes	Applicable major releases
Name: jmsdarpendingcount (6362) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on deviceActionResultQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-211 jmsdarrate**

Alarm	Attributes	Applicable major releases
Name: jmsdarrate (6363) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Received device action result rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-212 jmseventsrates

Alarm	Attributes	Applicable major releases
Name: jmseventsrates (6364) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Received inform event rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-213 jmsinformeventscurrentcount

Alarm	Attributes	Applicable major releases
Name: jmsinformeventscurrentcount (6365) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on deviceEventQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-214 jmsinformeventspendingcount

Alarm	Attributes	Applicable major releases
Name: jmsinformeventspendingcount (6366) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on deviceEventQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-215 jmsnbiinternalcurrentcount**

Alarm	Attributes	Applicable major releases
Name: jmsnbiinternalcurrentcount (6367) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on nbInternalQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-216 jmsnbiinternalpendingcount**

Alarm	Attributes	Applicable major releases
Name: jmsnbiinternalpendingcount (6368) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on nbInternalQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-217 jmsnbiinternalrate**

Alarm	Attributes	Applicable major releases
Name: jmsnbiinternalrate (6369) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received NBI Out Bound Event rate stored on nbInternalQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-218 jmsnbiobalarmcurrentcount

Alarm	Attributes	Applicable major releases
Name: jmsnbiobalarmcurrentcount (6370) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on nbiOutBoundAlarmTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-219 jmsnbiobalarmpendingcount

Alarm	Attributes	Applicable major releases
Name: jmsnbiobalarmpendingcount (6371) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on nbiOutBoundAlarmTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-220 jmsnbiobalarmrate

Alarm	Attributes	Applicable major releases
Name: jmsnbiobalarmrate (6372) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received NBI Out Bound Alarm rate stored on nbiOutBoundAlarmTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-221 jmsnbiobcurrentcount

Alarm	Attributes	Applicable major releases
Name: jmsnbiobcurrentcount (6373) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on nbiOutBoundQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-222 jmsnbiobeventcurrentcount

Alarm	Attributes	Applicable major releases
Name: jmsnbiobeventcurrentcount (6374) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on nbiOutBoundEventTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-223 jmsnbiobeventpendingcount

Alarm	Attributes	Applicable major releases
Name: jmsnbiobeventpendingcount (6375) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on nbiOutBoundEventTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 21-224 jmsnbiobeventrate**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobeventrate (6376) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received NBI Out Bound Event rate stored on nbiOutBoundEventTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-225 jmsnbiobpendingcount**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobpendingcount (6377) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on nbiOutBoundQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-226 jmsnbiobrate**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobrate (6378) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received NBI Out Bound Event rate stored on nbiOutBoundQueue JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-227 jmsnbiobresultcurrentcount**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobresultcurrentcount (6379) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages stored on nbiOutBoundResultTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-228 jmsnbiobresultpendingcount**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobresultpendingcount (6380) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of messages pending (unacknowledged or uncommitted) stored on nbiOutBoundResultTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-229 jmsnbiobresultrate**

Alarm	Attributes	Applicable major releases
Name: jmsnbiobresultrate (6381) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The current number of received NBI Out Bound Result rate stored on nbiOutBoundResultTopic JMS destination for the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-230 jtaactivetxcount

Alarm	Attributes	Applicable major releases
Name: jtaactivetxcount (6382) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The total number of active transactions on the server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-231 jtacommittedtxrate

Alarm	Attributes	Applicable major releases
Name: jtacommittedtxrate (6383) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Total number of transactions committed by this server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-232 jtarolledbacktxrate

Alarm	Attributes	Applicable major releases
Name: jtarolledbacktxrate (6384) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Total number of transactions rolled back by this server		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-233 jvmfreeheapsize

Alarm	Attributes	Applicable major releases
Name: jvmfreeheapsize (6385) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The number of free heap size available in JVM		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-234 jvmheapfreepercent

Alarm	Attributes	Applicable major releases
Name: jvmheapfreepercent (6386) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The percentage of free heap available in JVM		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-235 jvmheapsize

Alarm	Attributes	Applicable major releases
Name: jvmheapsize (6387) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The heap size of JVM		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-236 jvmmaxheapsize

Alarm	Attributes	Applicable major releases
Name: jvmmaxheapsize (6388) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The maximum heap size of JVM		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-237 LCell\_candidateNeighbourIdentified**

Alarm	Attributes	Applicable major releases
Name: LCell_candidateNeighbourIdentified (6059) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> In static mode neighbour list optimisation, on evaluation that a cell should be added to the neighbour list as per dynamic mode checks, the Small Cell AP shall raise an alarm, containing relevant additional information. This alarm shall be cleared by a reboot or manual addition of the candidate as a neighbour.		
<b>Remedial action:</b> NA		

**Table 21-238 LCell\_carrierReSelectionNotPossible**

Alarm	Attributes	Applicable major releases
Name: LCell_carrierReSelectionNotPossible (6060) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The fault is raised when no carrier for the FBSR could be selected under different situations, which are detailed in AdditionalText.		
<b>Remedial action:</b> NA		

**Table 21-239 LCell\_channelConfigBCHFailed**

Alarm	Attributes	Applicable major releases
Name: LCell_channelConfigBCHFailed (6061) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The configuration of the Common Channel BCH failed.		
<b>Remedial action:</b> NA		

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Table 21-240 LCell\_channelConfigFACHFailed

Alarm	Attributes	Applicable major releases
Name: LCell_channelConfigFACHFailed (6062) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The configuration of the Common Transport Channel for FACH failed.		
<b>Remedial action:</b> NA		

Table 21-241 LCell\_channelConfigPCHFailed

Alarm	Attributes	Applicable major releases
Name: LCell_channelConfigPCHFailed (6063) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The configuration of the Common Transport Channel for PCH failed.		
<b>Remedial action:</b> NA		

Table 21-242 LCell\_channelConfigPRACHFailed

Alarm	Attributes	Applicable major releases
Name: LCell_channelConfigPRACHFailed (6064) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The configuration of the Common Transport Channel for PRACH failed.		
<b>Remedial action:</b> NA		

Table 21-243 LCell\_codeAllocationFailure

Alarm	Attributes	Applicable major releases
Name: LCell_codeAllocationFailure (6065) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Channelisation code allocation failure.		
<b>Remedial action:</b> NA		

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Table 21-244 LCell\_commonMeasInitTimeout

Alarm	Attributes	Applicable major releases
Name: LCell_commonMeasInitTimeout (6066) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> No response from BRRC on the initiation of a common measurement.		
<b>Remedial action:</b> NA		

Table 21-245 LCell\_cpBlockRequestTimeout

Alarm	Attributes	Applicable major releases
Name: LCell_cpBlockRequestTimeout (6067) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> No response from BRRM to a Block Resource Request received from BRRC.		
<b>Remedial action:</b> NA		

Table 21-246 LCell\_dLCongestion

Alarm	Attributes	Applicable major releases
Name: LCell_dLCongestion (6068) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when the condition for DL congestion is met. The BSR starts the DL congestion control algorithm to clear the congestion.		
<b>Remedial action:</b> NA		

Table 21-247 LCell\_hsbiteasmeasInitFail

Alarm	Attributes	Applicable major releases
Name: LCell_hsbiteasmeasInitFail (6070) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: warning Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the HS-DSCH provided bit rate measurement failed.		
<b>Remedial action:</b> NA		

Table 21-248 LCell\_hsbiteasmeasStop

Alarm	Attributes	Applicable major releases
Name: LCell_hsbiteasmeasStop (6071) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: warning Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The HS-DSCH provided bit rate measurement discontinued.		
<b>Remedial action:</b> NA		

Table 21-249 LCell\_hsTxCarrierPowermeasInitFail

Alarm	Attributes	Applicable major releases
Name: LCell_hsTxCarrierPowermeasInitFail (6069) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the common measurements of the transmitted carrier power of all codes not used for HS-PDSCH or HS-SCCH transmission failed.		
<b>Remedial action:</b> NA		



**Table 21-250 LCell\_inconsistentDetectedCellInfo**

Alarm	Attributes	Applicable major releases
Name: LCell_inconsistentDetectedCellInfo (6072) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Small Cell AP shall raise an alarm if it detects via network listening that a manually configured neighbour has incorrect configuration data. This alarm shall be cleared on reboot and/or any change to manually configured neighbours. Note: This was previously only SysLogged in BCR4.3. It is triggered if there are inconsistencies between the femtos own data and the detected BSRid, FDD Freq band, uARFCN uplink & downlink or RNCid. It is also triggered if the sniffed data is incomplete.		
<b>Remedial action:</b> NA		

**Table 21-251 LCell\_invalidSIBParameter**

Alarm	Attributes	Applicable major releases
Name: LCell_invalidSIBParameter (6073) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> CSIB has detected an invalid SIB parameter, and no update of SIBs is performed towards CCC.		
<b>Remedial action:</b> NA		

**Table 21-252 LCell\_invalidSIBSchedule**

Alarm	Attributes	Applicable major releases
Name: LCell_invalidSIBSchedule (6074) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> CSIB has detected an invalid SIB schedule, and no update of SIBs is performed towards CCC.		
<b>Remedial action:</b> NA		

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Table 21-253 LCell\_neighbourListUpdate

Alarm	Attributes	Applicable major releases
Name: LCell_neighbourListUpdate (6075) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> On evaluation of a new neighbour list, the Small Cell AP shall send an informational, non-critical alarm to the OAM system detailing the old and the new lists. Note: Alarm payload is limited to 250 characters, so the alarm with detail the complete new list, with a sequence of adds and subtractions detailing the change from the previous list. The Small Cell AP shall raise one alarm for intra-frequency neighbours, and one for inter-frequency neighbours		
<b>Remedial action:</b> NA		

Table 21-254 LCell\_neighbourNotMeetingQualityCriteria

Alarm	Attributes	Applicable major releases
Name: LCell_neighbourNotMeetingQualityCriteria (6076) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> On a neighbour cell failing quality checks, either at the end of a monitoring period or on the daily check, the Small Cell AP shall raise an alarm, detailing the failing cell ID and performance metric. This alarm shall be cleared automatically if the neighbour is removed by the operator or a subsequent operation of this algorithm in 'dynamic' mode.		
<b>Remedial action:</b> NA		

Table 21-255 LCell\_rACHmeasInitFail

Alarm	Attributes	Applicable major releases
Name: LCell_rACHmeasInitFail (6077) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the RACH measurement failed.		
<b>Remedial action:</b> NA		

**Table 21-256 LCell\_rACHmeasStop**

Alarm	Attributes	Applicable major releases
Name: LCell_rACHmeasStop (6078) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The RACH measurement discontinued.		
<b>Remedial action:</b> NA		

**Table 21-257 LCell\_rSSImeasInitFail**

Alarm	Attributes	Applicable major releases
Name: LCell_rSSImeasInitFail (6079) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the RSSI measurement failed.		
<b>Remedial action:</b> NA		

**Table 21-258 LCell\_rSSImeasStop**

Alarm	Attributes	Applicable major releases
Name: LCell_rSSImeasStop (6080) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The RSSI measurement discontinued.		
<b>Remedial action:</b> NA		

**Table 21-259 LCell\_sharedChannelConfigHSPAFailed**

Alarm	Attributes	Applicable major releases
Name: LCell_sharedChannelConfigHSPAFailed (6082) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the Shared Channel for HSDPA/HSUPA failed.		
<b>Remedial action:</b> NA		

**Table 21-260 LCell\_sIBUpdateCCCErr**

Alarm	Attributes	Applicable major releases
Name: LCell_sIBUpdateCCCErr (6081) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The SIB update was not performed within CCC, the CCC specific error cause is returned.		
<b>Remedial action:</b> NA		

**Table 21-261 LCell\_tpapReleaseIndFACH**

Alarm	Attributes	Applicable major releases
Name: LCell_tpapReleaseIndFACH (6085) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Tpap release indication for FACH was received by BRRM.		
<b>Remedial action:</b> NA		

**Table 21-262 LCell\_tpapReleaseIndPCH**

Alarm	Attributes	Applicable major releases
Name: LCell_tpapReleaseIndPCH (6086) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Tpap release indication for PCH was received by BRRM.		
<b>Remedial action:</b> NA		

**Table 21-263 LCell\_tpapReleaseIndRACH**

Alarm	Attributes	Applicable major releases
Name: LCell_tpapReleaseIndRACH (6087) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Tpap release indication for RACH was received by BRRM.		
<b>Remedial action:</b> NA		

**Table 21-264 LCell\_tSSI measInitFail**

Alarm	Attributes	Applicable major releases
Name: LCell_tSSI measInitFail (6083) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The initiation of the TSSI measurement failed.		
<b>Remedial action:</b> NA		

**Table 21-265 LCell\_tSSI measStop**

Alarm	Attributes	Applicable major releases
Name: LCell_tSSI measStop (6084) Type: operationalViolation (93) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The TSSI measurement discontinued.		
<b>Remedial action:</b> NA		

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Table 21-266 LCell\_uLCongestion

Alarm	Attributes	Applicable major releases
Name: LCell_uLCongestion (6088) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.LCell	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when the condition for UL congestion is met. The BSR starts the UL congestion control algorithm to clear the congestion.		
<b>Remedial action:</b> NA		

Table 21-267 LCell\_unknownCandidateNeighboursPSC

Alarm	Attributes	Applicable major releases
Name: LCell_unknownCandidateNeighboursPSC (6089) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LCell	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> If no candidate cells are identified, or if all candidates fail the quality checks after their monitoring periods, the Small Cell AP shall raise the alarm, containing the PSC and any candidate cell list as additional information. This alarm is cleared by reboot or the modification of manually configured neighbours for this Small Cell AP. The Small Cell AP shall maintain the received information until the alarm has been cleared to prevent raising the same alarm multiple times for the same PSC.		
<b>Remedial action:</b> NA		

Table 21-268 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 21-269 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 21-270 LteCell\_IteOamConfigurationFailure

Alarm	Attributes	Applicable major releases
Name: LteCell_IteOamConfigurationFailure (6092) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LteCell	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LTE OAM configuration failure alarm		
<b>Remedial action:</b> NA		

Table 21-271 LteCell\_IteRrcSctpAssociationFailure

Alarm	Attributes	Applicable major releases
Name: LteCell_IteRrcSctpAssociationFailure (6093) Type: communicationsAlarm (4) Package: femto Raised on class: femto.LteCell	Severity: major Implicitly cleared: true Default probable cause: connectionEstablishmentError (1136)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> RRC/SCTP association failure alarm		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> NA		

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**Table 21-272 LteCell\_pciSelectionFailure**

Alarm	Attributes	Applicable major releases
Name: LteCell_pciSelectionFailure (6094) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LteCell	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> PCI selection failure alarm. SON detects no free PCI to be used from the provisioned list		
<b>Remedial action:</b> NA		

**Table 21-273 MetroDock\_metroDockHWFailure**

Alarm	Attributes	Applicable major releases
Name: MetroDock_metroDockHWFailure (6101) Type: equipmentAlarm (3) Package: femto Raised on class: femto.MetroDock	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when HW failure was detected in MetroDock or SFPs.		
<b>Remedial action:</b> NA		

**Table 21-274 MetroDock\_metroDockReceivePathFailure**

Alarm	Attributes	Applicable major releases
Name: MetroDock_metroDockReceivePathFailure (6102) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MetroDock	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised in case of fault in receive path.		
<b>Remedial action:</b> NA		



Table 21-275 MetroDock\_wifiNoSignalDetected

Alarm	Attributes	Applicable major releases
Name: MetroDock_wifiNoSignalDetected (6103) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MetroDock	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if signal of link status is not detected on the Wi-Fi Ethernet port.		
<b>Remedial action:</b> NA		

Table 21-276 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 21-277 multicastclustermessageslostcount

Alarm	Attributes	Applicable major releases
Name: multicastclustermessageslostcount (6390) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Cluster Multicast lost message rate		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-278 multicastcompletedrequests**

Alarm	Attributes	Applicable major releases
Name: multicastcompletedrequests (6391) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Multicast completed request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-279 multicastpendingrequests**

Alarm	Attributes	Applicable major releases
Name: multicastpendingrequests (6392) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Multicast pending request count		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-280 nbicapturedevice**

Alarm	Attributes	Applicable major releases
Name: nbicapturedevice (6393) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi captureDevice		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-281 nbicapturedeviceavg**

Alarm	Attributes	Applicable major releases
Name: nbicapturedeviceavg (6394) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of nbi captureDevice.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-282 nbclearalarm**

Alarm	Attributes	Applicable major releases
Name: nbclearalarm (6395) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi clearAlarm		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-283 nbclearalarmavg**

Alarm	Attributes	Applicable major releases
Name: nbclearalarmavg (6396) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi clearAlarm.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-284 nbcreatedevice**

Alarm	Attributes	Applicable major releases
Name: nbcreatedevice (6397) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createDevice		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-285 nbicreatedeviceavg**

Alarm	Attributes	Applicable major releases
Name: nbicreatedeviceavg (6398) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createDevice.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-286 nbicreatesingledeviceoperation**

Alarm	Attributes	Applicable major releases
Name: nbicreatesingledeviceoperation (6399) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createSingleDeviceOperation		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-287 nbicreatesingledeviceoperationavg**

Alarm	Attributes	Applicable major releases
Name: nbicreatesingledeviceoperationavg (6400) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createSingleDeviceOperation.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-288 nbicreatesingledeviceoperationbydeviceguid**

Alarm	Attributes	Applicable major releases
Name: nbicreatesingledeviceoperationbydeviceguid (6401) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createSingleDeviceOperationByDeviceGUID		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-289 nbicreatesingledeviceoperationbydeviceguidavg**

Alarm	Attributes	Applicable major releases
Name: nbicreatesingledeviceoperationbydeviceguidavg (6402) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi createSingleDeviceOperationByDeviceGUID.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-290 nbifinddevicebyguid**

Alarm	Attributes	Applicable major releases
Name: nbifinddevicebyguid (6403) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi findDeviceByGUID		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-291 nbifinddevicebyguidavg**

Alarm	Attributes	Applicable major releases
Name: nbifinddevicebyguidavg (6404) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi findDeviceByGUID.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-292 nbifinddevices**

Alarm	Attributes	Applicable major releases
Name: nbifinddevices (6405) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi findDevices		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-293 nbifinddevicesavg**

Alarm	Attributes	Applicable major releases
Name: nbifinddevicesavg (6406) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi findDevices.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-294 nbigetactivealarms**

Alarm	Attributes	Applicable major releases
Name: nbigetactivealarms (6407) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of nbi getActiveAlarms		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-295 nbigetactivealarmsavg**

Alarm	Attributes	Applicable major releases
Name: nbigetactivealarmsavg (6408) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi getActiveAlarms.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-296 nbigetcacheddatamodelparameters**

Alarm	Attributes	Applicable major releases
Name: nbigetcacheddatamodelparameters (6409) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi getCachedDataModelParameters		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-297 nbigetcacheddatamodelparametersavg**

Alarm	Attributes	Applicable major releases
Name: nbigetcacheddatamodelparametersavg (6410) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi getCachedDataModelParameters.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-298 nbiinitiateconnectionrequest**

Alarm	Attributes	Applicable major releases
Name: nbiinitiateconnectionrequest (6411) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi initiateConnectionRequest		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-299 nbiinitiateconnectionrequestavg**

Alarm	Attributes	Applicable major releases
Name: nbiinitiateconnectionrequestavg (6412) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi initiateConnectionRequest.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-300 nbiraisealarm**

Alarm	Attributes	Applicable major releases
Name: nbiraisealarm (6413) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi raiseAlarm		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-301 nbiraisealarmavg**

Alarm	Attributes	Applicable major releases
Name: nbiraisealarmavg (6414) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of nbi raiseAlarm.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-302 nbiregisterdevice**

Alarm	Attributes	Applicable major releases
Name: nbiregisterdevice (6415) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi registerDevice		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-303 nbiregisterdeviceavg**

Alarm	Attributes	Applicable major releases
Name: nbiregisterdeviceavg (6416) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi registerDevice.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-304 nbireleasedevice**

Alarm	Attributes	Applicable major releases
Name: nbireleasedevice (6417) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi releaseDevice		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-305 nbireleasedeviceavg

Alarm	Attributes	Applicable major releases
Name: nbireleasedeviceavg (6418) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi releaseDevice.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-306 nbiruneventtriggeredpolicy

Alarm	Attributes	Applicable major releases
Name: nbiruneventtriggeredpolicy (6419) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi rerunEventTriggeredPolicy		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-307 nbiruneventtriggeredpolicyavg

Alarm	Attributes	Applicable major releases
Name: nbiruneventtriggeredpolicyavg (6420) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi rerunEventTriggeredPolicy.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-308 nbiruneventtriggeredpolicies

Alarm	Attributes	Applicable major releases
Name: nbiruneventtriggeredpolicies (6421) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> number of nbi runEventTriggeredPolicies		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-309 nbiruneventtriggeredpoliciesavg

Alarm	Attributes	Applicable major releases
Name: nbiruneventtriggeredpoliciesavg (6422) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi runEventTriggeredPolicies.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-310 nbiupdateddevicebydeviceid

Alarm	Attributes	Applicable major releases
Name: nbiupdateddevicebydeviceid (6423) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi updateDeviceByDeviceID		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-311 nbiupdateddevicebydeviceidavg

Alarm	Attributes	Applicable major releases
Name: nbiupdateddevicebydeviceidavg (6424) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi updateDeviceByDeviceID.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-312 nbiupdatedevicebyguid

Alarm	Attributes	Applicable major releases
Name: nbiupdatedevicebyguid (6425) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi updateDeviceByGUID		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-313 nbiupdatedevicebyguidavg

Alarm	Attributes	Applicable major releases
Name: nbiupdatedevicebyguidavg (6426) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> number of nbi updateDeviceByGUID.avg		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-314 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 21-315 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 21-316 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 21-317 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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**Table 21-318 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 21-319 OAM\_160**

Alarm	Attributes	Applicable major releases
Name: OAM_160 (6158) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FemtoCluster	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Loss of OAM link between OMC and HNM.		
<b>Remedial action:</b> No particular action is required. This notification may be required by Global Product Support for debugging purposes		

**Table 21-320 OAM\_161**

Alarm	Attributes	Applicable major releases
Name: OAM_161 (6159) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> BSR is not operational or the OSI state is degraded		
<b>Remedial action:</b> Check the operationalState and availabilityStatus of the BSR MO on HDM		

**Table 21-321 OAM\_162**

Alarm	Attributes	Applicable major releases
Name: OAM_162 (6160) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FemtoCluster	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Loss of communication link between WMS and FileServer		
<b>Remedial action:</b> Check the communication link between WMS and FileServer. This notification may be required by Global Product Support for debugging purposes		

**Table 21-322 OAM\_163**

Alarm	Attributes	Applicable major releases
Name: OAM_163 (6161) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Femto	Severity: major Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Allocated license issue.		
<b>Remedial action:</b> Check WLM Web GUI to get more information on the current license settings.		

**Table 21-323 OAM\_164**

Alarm	Attributes	Applicable major releases
Name: OAM_164 (6162) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Femto	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Self optimization operation not triggered for the Femto Network Element.		
<b>Remedial action:</b> NA		

Table 21-324 OAM\_165

Alarm	Attributes	Applicable major releases
Name: OAM_165 (6163) Type: operationalViolation (93) Package: femto Raised on class: femto.Femto	Severity: minor Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Self optimization was not successful for Femto		
<b>Remedial action:</b> NA		

Table 21-325 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 21-326 osavailableprocessercount

Alarm	Attributes	Applicable major releases
Name: osavailableprocessercount (6427) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of processer available to os		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 21-327 oscommittedvirtualmemory**

Alarm	Attributes	Applicable major releases
Name: oscommittedvirtualmemory (6428) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Number of committed virtual memory		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-328 osfreephysicalmemory**

Alarm	Attributes	Applicable major releases
Name: osfreephysicalmemory (6429) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Number of free memory		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-329 osfreeswap space**

Alarm	Attributes	Applicable major releases
Name: osfreeswap space (6430) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Free swap space size		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-330 osmaxfiledescriptor**

Alarm	Attributes	Applicable major releases
Name: osmaxfiledescriptor (6431) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Maximum file descriptor		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 21-331 osopenfiledescriptor**

Alarm	Attributes	Applicable major releases
Name: osopenfiledescriptor (6432) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of open file descriptor		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-332 osprocessuptime**

Alarm	Attributes	Applicable major releases
Name: osprocessuptime (6433) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The CPU time		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-333 ostotalphysicalmemory**

Alarm	Attributes	Applicable major releases
Name: ostotalphysicalmemory (6434) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Total Physical memory		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-334 ostotalswapspace

Alarm	Attributes	Applicable major releases
Name: ostotalswapspace (6435) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Total number of free sawp space		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-335 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 21-336 periodicinformpercentage

Alarm	Attributes	Applicable major releases
Name: periodicinformpercentage (6436) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Percentage of periodic informs		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-337 PersistentIndexParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

**Table 21-338 PM\_pmAuthenticationError**

Alarm	Attributes	Applicable major releases
Name: PM_pmAuthenticationError (6168) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PM	Severity: critical Implicitly cleared: true Default probable cause: unauthorizedAccessAttempt (800)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The authentication error when transferring PM files.		
<b>Remedial action:</b> NA		

**Table 21-339 PM\_pmCommunicationError**

Alarm	Attributes	Applicable major releases
Name: PM_pmCommunicationError (6169) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PM	Severity: warning Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Failure to transferring PM files even after retries.		
<b>Remedial action:</b> NA		

Table 21-340 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 21-341 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 21-342 Radio\_clockSynchronisationFailure

Alarm	Attributes	Applicable major releases
Name: Radio_clockSynchronisationFailure (6195) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: critical Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if discipline process fails, i.e. the convergence does not occur within 4 hours of convergence time. The NTP servers are reachable but the NTP Client is not in 'sync'd' state.		
<b>Remedial action:</b> NA		

**Table 21-343 Radio\_ntpServiceUnavailable**

Alarm	Attributes	Applicable major releases
Name: Radio_ntpServiceUnavailable (6196) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if NTP servers are initially not reachable within 5 minutes and verification of calibration value is impossible in this timeframe. This fault is also raised if the discipline process fails due to the NTP servers being unreachable. The nature of the failure will be provided in the additional text.		
<b>Remedial action:</b> NA		

**Table 21-344 Radio\_outOfOperatingCondition**

Alarm	Attributes	Applicable major releases
Name: Radio_outOfOperatingCondition (6197) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if out of operating condition is detected. It is related to critical hardware checks on LightRadio Metro Cells, for example power amplifier 28V supply and current monitoring on LightRadio 2100 and 1900 Metro Outdoor Cells.		
<b>Remedial action:</b> NA		

**Table 21-345 Radio\_overTemperature**

Alarm	Attributes	Applicable major releases
Name: Radio_overTemperature (6198) Type: environmentalAlarm (2) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: temperatureUnacceptable (721)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The temperature is over the specified limit.		
<b>Remedial action:</b> NA		

**Table 21-346 Radio\_rxDiversityMalfunction**

Alarm	Attributes	Applicable major releases
Name: Radio_rxDiversityMalfunction (6199) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Raised when one of the two Rx path fails when receive diversity is active.		
<b>Remedial action:</b> NA		

**Table 21-347 Radio\_rxMalfunction**

Alarm	Attributes	Applicable major releases
Name: Radio_rxMalfunction (6200) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Malfunction in the radio receiver.		
<b>Remedial action:</b> NA		

**Table 21-348 Radio\_txMalfunction**

Alarm	Attributes	Applicable major releases
Name: Radio_txMalfunction (6201) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Radio	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Radio has failed to activate the transmitter, or malfunction in the radio transmitter.		
<b>Remedial action:</b> NA		

**Table 21-349 Radio\_underTemperature**

Alarm	Attributes	Applicable major releases
Name: Radio_underTemperature (6202) Type: environmentalAlarm (2) Package: femto Raised on class: femto.Radio	Severity: major Implicitly cleared: true Default probable cause: temperatureUnacceptable (721)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The temperature is below the specified limit.		
<b>Remedial action:</b> NA		

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Table 21-350 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 21-351 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		



**Table 21-352 reachabledevicecount**

Alarm	Attributes	Applicable major releases
Name: reachabledevicecount (6437) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Count of reachable devices		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-353 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

**Table 21-354 RFTrace\_rfTraceDedicatedFailure**

Alarm	Attributes	Applicable major releases
Name: RFTrace_rfTraceDedicatedFailure (6189) Type: operationalViolation (93) Package: femto Raised on class: femto.RFTrace	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised during RF Trace operation if all dedicated measurement (excluding HSDPA and EDCH) configurations are failed.		
<b>Remedial action:</b> NA		

**Table 21-355 RFTrace\_rfTraceHsdpaFailure**

Alarm	Attributes	Applicable major releases
Name: RFTrace_rfTraceHsdpaFailure (6190) Type: operationalViolation (93) Package: femto Raised on class: femto.RFTrace	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised during RF Trace operation if all HSDPA measurement configurations are failed.		
<b>Remedial action:</b> NA		

**Table 21-356 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 21-357 ScheduledPollerProblem**

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 21-358 SCTPASSOC\_associationEstablishmentFailure

Alarm	Attributes	Applicable major releases
Name: SCTPASSOC_associationEstablishmentFailure (6203) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPASSOC	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised after the number of INIT retries configured by maxInitRetransmits has failed. After the fault is raised there will be further retries after maxDelaySctpReEst delay		
<b>Remedial action:</b> NA		

Table 21-359 SCTPASSOC\_sctpAssocAssociationDownAlarm

Alarm	Attributes	Applicable major releases
Name: SCTPASSOC_sctpAssocAssociationDownAlarm (6204) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPASSOC	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when all SCTP associations with the BSG are down.		
<b>Remedial action:</b> NA		

Table 21-360 SCTPASSOC\_sctpAssocDnsFailure

Alarm	Attributes	Applicable major releases
Name: SCTPASSOC_sctpAssocDnsFailure (6205) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPASSOC	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is sent when link failure is detected when no response is received to DNS messages attempting to resolve the FGW FQDN. This may be caused by timeout or a protocol error.		
<b>Remedial action:</b> NA		

Table 21-361 SDM\_dbDownloadFailure

Alarm	Attributes	Applicable major releases
Name: SDM_dbDownloadFailure (6209) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SDM	Severity: major Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when the database download fails.		
<b>Remedial action:</b> NA		

Table 21-362 SDM\_suActivationFailure

Alarm	Attributes	Applicable major releases
Name: SDM_suActivationFailure (6210) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SDM	Severity: major Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when activation of a software image fails.		
<b>Remedial action:</b> NA		

Table 21-363 SDM\_suDownloadFailure

Alarm	Attributes	Applicable major releases
Name: SDM_suDownloadFailure (6211) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SDM	Severity: major Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when download of a software image fails.		
<b>Remedial action:</b> NA		

Table 21-364 SDM\_toneFileCorrupt

Alarm	Attributes	Applicable major releases
Name: SDM_toneFileCorrupt (6212) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SDM	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> A downloaded tone file has invalid format.		
<b>Remedial action:</b> NA		

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Table 21-365 SDM\_toneFileDownloadFailure

Alarm	Attributes	Applicable major releases
Name: SDM_toneFileDownloadFailure (6213) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SDM	Severity: minor Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is created when download of a tone file fails.		
<b>Remedial action:</b> NA		

Table 21-366 socketcount

Alarm	Attributes	Applicable major releases
Name: socketcount (6438) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of socket		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 21-367 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

**Table 21-368 SubscriberSystemNextHopUsageHigh**

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

**Table 21-369 threadidlecount**

Alarm	Attributes	Applicable major releases
Name: threadidlecount (6439) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of idle threads		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-370 threadpendingrequestcount**

Alarm	Attributes	Applicable major releases
Name: threadpendingrequestcount (6440) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of thread in pending request state		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-371 threadqueuelength**

Alarm	Attributes	Applicable major releases
Name: threadqueuelength (6441) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of thread queue		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-372 threadstandbycount**

Alarm	Attributes	Applicable major releases
Name: threadstandbycount (6442) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of thread in stand by state.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-373 threadthroughput**

Alarm	Attributes	Applicable major releases
Name: threadthroughput (6443) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Thread throughput		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-374 threadtotalcount**

Alarm	Attributes	Applicable major releases
Name: threadtotalcount (6444) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Total number of Threads		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 21-375 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 21-376 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 21-377 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 21-378 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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**Table 21-379 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 21-380 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 21-381 userlockouttotalcount**

Alarm	Attributes	Applicable major releases
Name: userlockouttotalcount (6445) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HDMCluster	Severity: minor Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Indicates how many user locking out process is executed on the current server		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 21-382 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 21-383 WiFi\_wifiNoSignalDetected**

Alarm	Attributes	Applicable major releases
Name: WiFi_wifiNoSignalDetected (6247) Type: communicationsAlarm (4) Package: femto Raised on class: femto.WiFi	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if signal of link status is not detected on the Wi-Fi Ethernet port.		
<b>Remedial action:</b> NA		

**Table 21-384 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

## 22 — Alcatel-Lucent 9471 WMM alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 22-1 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

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Table 22-2 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 22-3 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 22-4 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 22-5 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 22-6 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 22-7 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 22-8 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 22-9 criticalErrorAlarm

Alarm	Attributes	Applicable major releases
Name: criticalErrorAlarm (3681) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: MmeInternalProcessingError (1421)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised when receiving critical-error message from the network element's NetConf interface. The operator must connect to the network element using its CLI interface and verify the consistency of the network element's database and configuration and then do a full node resync once the manual intervention has been completed.		
<b>Remedial action:</b> The operator must connect to the network element (MME) using its CLI interface and verify the consistency of the network element's database and configuration and then do a full node resync once the manual intervention has been completed.		

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Table 22-10 EPSPeerLocked

Alarm	Attributes	Applicable major releases
Name: EPSPeerLocked (3747) Type: communicationsAlarm (4) Package: lte Raised on class: lte.AbstractMmeEpsPeer	Severity: major Implicitly cleared: false Default probable cause: EPSPeerLocked (1481)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an EPS Peer link goes into a locked state. The alarm clears when the EPS Peer Link changes to an unlocked state.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Locked'))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational: The EPS Peer has been manually locked.		

Table 22-11 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 22-12 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 22-13 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 22-14 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 22-15 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 22-16 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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**Table 22-17 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 22-18 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 22-19 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 22-20 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 22-21 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 22-22 maintenanceStateAlarm

Alarm	Attributes	Applicable major releases
Name: maintenanceStateAlarm (4812) Type: operationalViolation (93) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: true Default probable cause: WmmMaintenanceState (1900)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is raised when the 9471 WMM is put into maintenance state as part of a software upgrade. While the 9471 WMM is in maintenance mode, 5620 SAM will not process any notifications other than alarms and PM file notifications. In addition, 5620 SAM will not trigger full node resyncs when it receives a Cold Start trap, when it detects that the 9471 WMM has rebooted, or when it detects that the software version of the 9471 WMM has changed. Once the 9471 WMM goes out of maintenance state, 5620 SAM will trigger a full node resync.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Maintenance State' EQUAL 'True')		
<b>Clearing condition:</b> ('Maintenance State' EQUAL 'False')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 22-23 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 22-24 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 22-25 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 22-26 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 22-27 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 22-28 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 22-29 RcaAuditAfterNEUpgradeStatus

Alarm	Attributes	Applicable major releases
Name: RcaAuditAfterNEUpgradeStatus (5124) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: info Implicitly cleared: false Default probable cause: rcaAuditStatusAfterNEUpgrade (2058)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE software version upgrade and RCA audit performed.		
<b>Remedial action:</b> Information - Check audit results for details		



Table 22-30 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 22-31 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 22-32 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 22-33 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 22-34 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 22-35 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 22-36 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 22-37 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 22-38 WmmATCA\_AggregatePowerSensor

Alarm	Attributes	Applicable major releases
Name: WmmATCA_AggregatePowerSensor (4171) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The aggregate power sensor alarm provides a summary status of all power related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another power related alarm that provides more details about the exact resource power sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
<b>Remedial action:</b> Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 22-39 WmmATCA\_AggregateTemperatureSensor

Alarm	Attributes	Applicable major releases
Name: WmmATCA_AggregateTemperatureSensor (4172) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The aggregate temperatures sensor alarm provides a summary status of all temperature related conditions adversely affecting a resource. When this alarm occurs, in most cases, there will be another temperature related alarm that provides more details about the exact resource temperature sensor that is reporting the condition. From the MI GUI, alarms on a resource may be retrieved by selecting the managed object for that resource and then selecting the right-click operation to display related alarms.		
<b>Remedial action:</b> Investigate all other temperature and power related alarms on the resource and follow those alarms fault recovery procedures. Once all of these related alarms are cleared, this alarm will clear.		

Table 22-40 WmmATCA\_BoardPower

Alarm	Attributes	Applicable major releases
Name: WmmATCA_BoardPower (4173) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A board is either in the inactive or not present state. This means that the board has been powered down.		
<b>Remedial action:</b> Verify that the blade is powered on. This can be performed remotely using CLI on the shelf manager or locally by observing specific LEDs and their status. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

Table 22-41 WmmATCA\_CPLDState

Alarm	Attributes	Applicable major releases
Name: WmmATCA_CPLDState (4174) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a change in the redundancy status of the shelf management cards. The specific problem of the alarm contains the specific redundancy state of the shelf management card.		
<b>Remedial action:</b> Verify that the shelf management card is inserted properly. If the shelf management card is inserted, reseal the shelf management card. If reseating the shelf management card does not correct the problem, replace the shelf management card.		

Table 22-42 WmmATCA\_DS75Temperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_DS75Temperature (4175) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
<b>Remedial action:</b> There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-43 WmmATCA\_ExhaustTemp

Alarm	Attributes	Applicable major releases
Name: WmmATCA_ExhaustTemp (4176) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the ASS7BF AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
<b>Remedial action:</b> There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-44 WmmATCA\_FanSpeed

Alarm	Attributes	Applicable major releases
Name: WmmATCA_FanSpeed (4178) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that a fan's speed has crossed a threshold.		
<b>Remedial action:</b> Replace the faulty fan unit according to the appropriate replacement procedure.		

Table 22-45 WmmATCA\_FanTrayPresence

Alarm	Attributes	Applicable major releases
Name: WmmATCA_FanTrayPresence (4179) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that one of the fan trays is not present in the chassis. The fan tray in question will be identified in the additionalText field of the alarm.		
<b>Remedial action:</b> Insert the fan tray.		

Table 22-46 WmmATCA\_FanTraysFRU

Alarm	Attributes	Applicable major releases
Name: WmmATCA_FanTraysFRU (4180) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a problem with one or more of the fan trays.		
<b>Remedial action:</b> Verify that all Fan Trays are properly seated in the chassis. Verify that the type of Fan Trays are compatible. Contact Alcatel-Lucent Customer Support if incompatible. Verify that the cooling parameters are set correctly. Contact Alcatel-Lucent Customer Support to adjust parameters.		

Table 22-47 WmmATCA\_FilterPresence

Alarm	Attributes	Applicable major releases
Name: WmmATCA_FilterPresence (4181) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A filter is not present in the chassis. The additional text field of the alarm will indicate which filter is not present.		
<b>Remedial action:</b> Insert the filter that is not present.		

Table 22-48 WmmATCA\_FPGATemp

Alarm	Attributes	Applicable major releases
Name: WmmATCA_FPGATemp (4177) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the DCI AMC (Advanced Mezzanine Card) FPGA Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the DCI FPGA.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-49 WmmATCA\_I2CLocalBus

Alarm	Attributes	Applicable major releases
Name: WmmATCA_I2CLocalBus (4182) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm reports an abnormal condition in the hardware state of the I2C Local Bus.		
<b>Remedial action:</b> If the condition does not clear, contact Alcatel-Lucent Customer Support		

Table 22-50 WmmATCA\_InletTemp

Alarm	Attributes	Applicable major releases
Name: WmmATCA_InletTemp (4184) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the AMC (Advanced Mezzanine Card) Inlet Temp monitoring sensor at the upper edge of the AMC has detected a threshold being crossed.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-51 WmmATCA\_IPMBLink

Alarm	Attributes	Applicable major releases
Name: WmmATCA_IPMBLink (4183) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a problem with the IPMB(Intelligent Platform Management Bus) Link between the shelf manager and the board. This alarm may be reported by the shelf manager for the portion of the link that it monitors, or by the board for the portion of the link it monitors.		
<b>Remedial action:</b> If the Link has been manually disabled, try to enable the link from the active shelf manager card with the command, 'clia setipmbstate <IPMB address> [AB] 1'. If the board is reporting a link failure, replace the board. If the shelf is reporting a link failure, replace the shelf management card. If replacing the board and shelf management card do not solve the problem, replace the shelf. Contact Alcatel-Lucent Customer Support.		



Table 22-52 WmmATCA\_LM75Temperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LM75Temperature (4185) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a temperature problem with a board.		
<b>Remedial action:</b> There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-53 WmmATCA\_LM83Temperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LM83Temperature (4186) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a temperature problem with a board. There are 5 LM83 sensors(LM83_1 Local, LM83_1 DBG, LM83_1 BASE, LM83_1 LSI, LM83_2 Local) that monitor the temperature of the board.		
<b>Remedial action:</b> There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-54 WmmATCA\_LMeUC75Temperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LMeUC75Temperature (4188) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the ASS7NB AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> There is a condition in which this alarm, with minor severity, is being erroneously reported by the hardware, so ignore any minor alarms pertaining to this sensor. Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-55 WmmATCA\_LMeUC75TopRig

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LMeUC75TopRig (4404) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the ASS7BN AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-56 WmmATCA\_LMUC75TopRig

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LMUC75TopRig (4187) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> </ul>
<b>Description:</b> This alarm indicates that the ASS7BN AMC (Advanced Mezzanine Card) temperature monitoring sensor has detected a threshold being crossed.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-57 WmmATCA\_LocalTemperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_LocalTemperature (4189) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a temperature problem with a board.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-58 WmmATCA\_m48vSensor

Alarm	Attributes	Applicable major releases
Name: WmmATCA_m48vSensor (4198) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a problem with the -48V shelf power supply A and/or B feeds.		
<b>Remedial action:</b> Check the top rack power distribution unit's LED and circuit breakers. Replace the faulty power supply according to the appropriate replacement procedures. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-59 WmmATCA\_MMCTemp

Alarm	Attributes	Applicable major releases
Name: WmmATCA_MMCTemp (4190) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the DCI AMC (Advanced Mezzanine Card) MMC Temp monitoring sensor has detected a threshold being crossed. This indicates there is a problem with the die temperature of the MMC FPGA.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-60 WmmATCA\_OcteonTemperature

Alarm	Attributes	Applicable major releases
Name: WmmATCA_OcteonTemperature (4191) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a temperature problem with the Octeon module.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-61 WmmATCA\_OutletTemp

Alarm	Attributes	Applicable major releases
Name: WmmATCA_OutletTemp (4192) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the AMC (Advanced Mezzanine Card) Outlet Temp monitoring sensor at the lower edge of the AMC has detected a threshold being crossed.		
<b>Remedial action:</b> Check if there are other alarms that could explain the rise in temperature, especially fan alarms. If there are, troubleshoot these alarms first. Check that the room air conditioning system is operating properly. Check that the fan units of the suspect chassis are operating correctly. If they are not, replace the fan units according to the replacement procedure. If fans are operating properly and if there is no other alarm, replace faulty FRU according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-62 WmmATCA\_PayloadCurrent

Alarm	Attributes	Applicable major releases
Name: WmmATCA_PayloadCurrent (4193) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a current problem on a board, resulting from the Payload Amps sensor threshold being crossed.		
<b>Remedial action:</b> Check if other cards in the chassis have a similar alarm. If this is the case, there may be a problem with the power supply unit(s). Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-63 WmmATCA\_PayloadVoltage

Alarm	Attributes	Applicable major releases
Name: WmmATCA_PayloadVoltage (4194) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a voltage problem with a board.		
<b>Remedial action:</b> Check if all of the cards in the chassis have the same alarm. If this is the case, replace the power supply unit(s) according to the appropriate replacement procedure. Replace the faulty card according to the appropriate replacement procedure. Replace the interface unit located behind the faulty card according to the appropriate replacement procedure. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-64 WmmATCA\_PowerOk

Alarm	Attributes	Applicable major releases
Name: WmmATCA_PowerOk (4195) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates state of power ok signal from ISPPAC.		
<b>Remedial action:</b> Verify that the blade is powered on. Verify that the blade is seated correctly in the chassis. Try to re-seat the blade in the chassis. Replace the blade if necessary, refer to FRU procedure. Contact Alcatel-Lucent Customer Support.		

Table 22-65 WmmATCA\_ShelfFRUs

Alarm	Attributes	Applicable major releases
Name: WmmATCA_ShelfFRUs (4196) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a problem with the shelf FRU information stored in the EEPROMs (located on the NFATCAV2 back panel and accessed via the I2C local bus). The EEPROMS contents are validated when a shelf manager is initialized as the active shelf manager, and periodically by the active shelf manager.		
<b>Remedial action:</b> A firmware upgrade may be needed, contact Alcatel-Lucent Customer Support.		

Table 22-66 WmmATCA\_UnexpectedDeact

Alarm	Attributes	Applicable major releases
Name: WmmATCA_UnexpectedDeact (4197) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This sensor reports unexpected deactivation (transition to INACTIVE state) origin. It is asserted		
<b>Remedial action:</b> Look at sensor alarms to see why the card was deactivated and resolve underlying problems.		

Table 22-67 WmmLSS\_cardConnectionLost

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cardConnectionLost (4199) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> REM detected a problem with its connectivity to a service member under its control, or a service member has missed a heartbeat to REM.		
<b>Remedial action:</b> Verify the status on the service on the MI GUI. It should be 'Out of Service'. If it is active, or standby hot, with its mate being active, or manually out-of-service (unlocked/disabled/idle) then the alarm condition is not valid. If communication to the service does not come back within several minutes (e.g. the cardConnectionLost alarm does not clear), it may be necessary to connect to the card's console-port to get the status of the service. Consult card specific documentation about the console commands to obtain the card service state. If you are not successful in connecting to the console, this could be due to either a networking problem, or a fault in the card. If the card is inaccessible via console, it can be recovered via the reset button, or by power cycling. Continued trouble may mean the card is having some hardware difficulty; and Alcatel-Lucent Customer Support should be contacted to determine the next step(s). Try to ping the internal fixed service ip address of the service member from the host which is running the active CNFG service. If pinging the service member from the CNFG host succeeds, then go to Step 4; else go to Step 5. Determine if REM has a connection to the service member via the use of the netstat command on the host which has the active CNFG service. The following command will give a list of IP addresses that REM has connected to via well-known port 20000: netstat -a   grep 20000. Look for an 'Established' connection to the service's IP address in the output of the above command. If the service's IP address is not found in the output and this is the first time you have visited this step, then go to Step 6. If the service's IP address is not found in the output and this is the second time you have visited this step, then go to Step 7. Check the IP connections from the host that has the active CNFG service member to the switches and the routers. Check the connection to the card. If connection problems are found, they must be fixed. One can also verify that the appropriate service IP addresses have been plumbed and the appropriate service image has been downloaded to the card. Try switching the CNFG service to its currently standby hot member via MI GUI. Stop and start the CNFG service via the stopCNFG and startCNFG commands, respectively. This will stop the REM process and restart it, among others within the CNFG service. Once the CNFG service is active, the virtual cluster can be switched back. Note that error recovery and provisioning ability will be affected if the CNFG service is not operational. Restart/reload the service. This may be done via the MI GUI.		

Table 22-68 WmmLSS\_cardError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cardError (4200) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that a hardware diagnostic failure has been detected. Depending on the criticality of the checks, alarms with various severities are generated.		
<b>Remedial action:</b> For the Critical Alarm, the card should be taken OOS and replaced. For the Major Alarm, the card should be taken OOS and rebooted to see if the alarm clears. If it does not clear or there are other reports from the card (such as Asserts) reporting problems, the card should be left OOS and Alcatel-Lucent Customer Support should be contacted. For the Minor Alarm, contact Alcatel-Lucent Customer Support for the correction procedure.		

Table 22-69 WmmLSS\_cdrFileStorageSpaceThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cdrFileStorageSpaceThreshold (5388) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> CDRs file storage space threshold reached		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command). If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-70 WmmLSS\_cdrStorageSpaceThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cdrStorageSpaceThreshold (4405) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> CDRs storage space threshold reached		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command). If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-71 WmmLSS\_cgfNotResponding

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cgfNotResponding (4406) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> SGSN/CGF interface: CGF not responding		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: test the accessibility to the Charging Gateway (ping command); trace the route to the Charging Gateway (traceroute command); If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-72 WmmLSS\_cgfServiceNotSupported

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cgfServiceNotSupported (4407) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The Charging Gateway is not able to process the CDRs transmitted by the SGSN		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-73 WmmLSS\_cgfSystemFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cgfSystemFailure (4408) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> SGSN/CGF interface: 'system failure' response		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: If the problem persists, contact Alcatel-Lucent Customer Support.		



Table 22-74 WmmLSS\_cgfVersionNotSupported

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cgfVersionNotSupported (4409) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The version of GTP' supported by the SGSN is not supported by the Charging Gateway.		
<b>Remedial action:</b> Continue to the next action only if the system does not clear the alarm: check GTP' version at Charging Gateway. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-75 WmmLSS\_cmasFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cmasFailure (4800) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that there is software failure in s1mme or sbc modules, related to CMAS.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-76 WmmLSS\_cmasReceiveFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cmasReceiveFailure (4801) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that MME failed to receive an acknowledgement to a CMAS message.		
<b>Remedial action:</b> Verify that the S1mme links are up. Alarm can only be cleared manually by running 'alarm_cli --clear alarmName="LSS_cmasReceiveFailure' from the active MI. If condition persists, contact Alcatel-Lucent Customer Support."		

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Table 22-77 WmmLSS\_cmasSendFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cmasSendFailure (4802) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that there is a failure in sending a CMA5 message over s1mme or sbc interfaces.		
<b>Remedial action:</b> Verify that the S1mme and sbc links are up. Alarm can only be cleared manually by running 'alarm_cli --clear alarmName="LSS_cmasSendFailure' from the active MI. If condition persists, contact Alcatel-Lucent Customer Support."		

Table 22-78 WmmLSS\_connectionLostToLDPpeer

Alarm	Attributes	Applicable major releases
Name: WmmLSS_connectionLostToLDPpeer (5151) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> There is no LDP session with a peer (SDP far-end).		
<b>Remedial action:</b> Check configuration: SDP administrative state, SDP far-end IP address. Check IP connectivity between SAF and LDP peer IP address. Manually clear the alarm.		

Table 22-79 WmmLSS\_cpiAlarmCritical

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAlarmCritical (4201) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAlarmCritical indicates the value of the VS.almCritical measurement monitored by the Critical Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> Using the Maintenance Interface, examine the set of critical alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of critical alarm generation drops below the threshold.		

Table 22-80 WmmLSS\_cpiAlrmMajor

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAlrmMajor (4202) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAlrmMajor indicates the value of the VS.alrmMajor measurement monitored by the Major Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> Using the Maintenance Interface, examine the set of major alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of major alarm generation drops below the threshold.		

Table 22-81 WmmLSS\_cpiAlrmMinor

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAlrmMinor (4203) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAlrmMinor indicates the value of the VS.alrmMinor measurement monitored by the Minor Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> Using the Maintenance Interface, examine the set of minor alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of minor alarm generation drops below the threshold.		

Table 22-82 WmmLSS\_cpiAlrmWarning

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAlrmWarning (4204) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAlrmWarning indicates the value of the VS.alrmWarning measurement monitored by the Warning Alarms Count CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> Using the Maintenance Interface, examine the set of warning alarms or any other alarms recently raised and address them. This alarm will clear automatically if the rate of warning alarm generation drops below the threshold.		

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Table 22-83 WmmLSS\_cpiAsrtEsc

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAsrtEsc (4205) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAsrtEsc indicates the value of the VS.asrtESC measurement monitored by the Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of escalating assert generation drops below the threshold. An automatic escalation would result in a switch over and should also drop the rate of assert generation. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch over has not occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 22-84 WmmLSS\_cpiAsrtNonEsc

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAsrtNonEsc (4206) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAsrtNonEsc indicates the value of the VS.asrtNonESC measurement monitored by the Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 22-85 WmmLSS\_cpiAsrtNonEscCritical

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAsrtNonEscCritical (4207) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAsrtNonEscCritical indicates the value of the VS.asrtNonESCcritical measurement monitored by the Critical Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 22-86 WmmLSS\_cpiAsrtNonEscMajor

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAsrtNonEscMajor (4208) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAsrtNonEscMajor indicates the value of the VS.asrtNonESCMajor measurement monitored by the Major Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

Table 22-87 WmmLSS\_cpiAsrtNonEscMinor

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAsrtNonEscMinor (4209) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The raised alarm LSS_cpiAsrtNonEscMinor indicates the value of the VS.asrtNonESCMinor measurement monitored by the Minor Non-Escalating Asserts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of non-escalating assert generation drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. In all cases, contact customer support regarding this alarm.		

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Table 22-88 WmmLSS\_cpiAudErrCount

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAudErrCount (4210) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAudErrCount indicates the value of the VS.audErrCount measurement monitored by the Audit Errors CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find. The VS.audErrCnt measurement reports the number of individual errors found by audits during the interval.		
<b>Remedial action:</b> Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors drops below the threshold.		

Table 22-89 WmmLSS\_cpiAudManAct

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAudManAct (4211) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiAudManAct, indicates the value of the VS.audManAct measurement monitored by the Audit Errors Requiring Manual Action CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find.. The VS.audManAct measurement reports the number of individual errors found by audits during the interval that require manual action for recovery.		
<b>Remedial action:</b> Using the Maintenance Interface, examine the set of audit errors reported and address them. Audit error reports requiring manual action should specify the actions needed to perform recovery. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit detected errors requiring manual action drops below the threshold. However, this will not happen until the required manual recovery steps have been taken.		

Table 22-90 WmmLSS\_cpiAudNewEvent

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiAudNewEvent (4212) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiAudNewEvent indicates the value of the VS.audNewEvent measurement monitored by the Audit Initiated Events CPI exceeded a threshold in the last 15 minute interval. Audits run at low priority to recover lost or stuck resources. Audits generate error reports describing any problems they find..The VS.audNewEvent measurement reports the number of times during the interval that an audit that ran without being part of an escalated recovery and found at least one error.		
<b>Remedial action:</b> Although audits take recovery for each error they find, use the Maintenance Interface to examine the set of audit errors reported. If this alarm recurs or is ongoing due to the same set of audits, contact Alcatel-Lucent Customer Support. If this alarm is new and coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of audit invocations that detect errors drops below the threshold.		

Table 22-91 WmmLSS\_cpiExceptionService

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiExceptionService (4213) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiExceptionService indicates the value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> The value of the VS.exceptionService measurement monitored by the Service Exceptions CPI exceeded a threshold in the last 15 minute interval. This alarm will clear automatically if the rate of exceptions drops below the threshold. Determine if any other alarms have been recently raised on the resource reported and address them. Examine the recent Performance (PM) counts on the resource reported; they may suggest more regarding this issue. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the PM counts indicates degradation of service and a switch-over has not already occurred, switch the service to its redundant mate. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. In all cases, contact customer support regarding this alarm.		

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Table 22-92 WmmLSS\_cpiFileSysUsage

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiFileSysUsage (4214) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiFileSysUsage indicates the value of resource usage count VS.fileSysUsage monitored by the File System Usage CPI exceeded a threshold in the last 5-minute interval.		
<b>Remedial action:</b> Remove outdated and obsolete files to free the file system space. Move the important data files to other disks to free the file system space. When CPI alarm LSS_cpiFileSysUsage is fired for CDR host, don't remove CDR record files (under /app1/data0/cdrdata) and PCMD record files (under /app1/data0/pcmddata). Furthermore, double check timestamp of CDR records files under /app1/data0/cdrdata/app2/charging/stream1/primary. If many files are older than two PULL/PUSH intervals, then there might be CDR records file transfer issue, which should be fixed firstly. For non-CDR record or non-PCMD record files, follow step 1 or step 2.		

Table 22-93 WmmLSS\_cpiGTPcResponseTOGn

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiGTPcResponseTOGn (4215) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiGTPcResponseTOGn, indicates that the value of VS.cpiGTPcResponseTOGn has exceeded a threshold in the last 15 minute interval. This counter monitors the percentage of GTP Requests sent over a Gn interface for which no Response is received by the MME. The Gn interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-94 WmmLSS\_cpiGTPcResponseTOS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiGTPcResponseTOS3 (4216) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The raised alarm, LSS_cpiGTPcResponseTOS3, indicates meeting a threshold of GTP response failure rate in the last 5 minute interval. This failure rate monitors the percentage of GTP Requests sent over an S3 interface for which no Response is received by the MME. The S3 interface connects the MME with one or more SGSNs. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring SGSNs for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and SGSNs. If SGSNs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the S3 interface have been reported. Contact next level of support.		

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Table 22-95 WmmLSS\_cpiGTPcResponseTOSv

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiGTPcResponseTOSv (4217) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiGTPcResponseTOSv indicates meeting a threshold of the GTPc Response Time out over Sv CPI (requests sent over an Sv interface for which no response is received).		
<b>Remedial action:</b> Check neighboring LVI(s) for error conditions or ongoing problems. Verify network connectivity and proper configuration between MME and LVI(s). If LVI(s) and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-96 WmmLSS\_cpiHOfailuresFrom2g3goverGn

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresFrom2g3goverGn (8028) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresFrom2g3goverGn, indicates that the value of $(100 - (100 * (VS.NbrHOTOtLTSucessGn / VS.AttNbrHOTOtLTeGn)))$ has exceeded a threshold in the last 5 minute interval. This value monitors the percentage of failure rate of attempted handovers from GERAN/UTRAN to MME using the Gn interface. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the Gn link status and MME service status. Check fs.log for error indications related to Gn interface procedures, contact next level of support if internal MME errors are indicated.		

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Table 22-97 WmmLSS\_cpiHOfailuresFromGERANoverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresFromGERANoverS3 (4219) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresFromGERANoverS3, indicates that the value of VS.cpiHOfailuresFromGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from GERAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 22-98 WmmLSS\_cpiHOfailuresFromUTRANoverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresFromUTRANoverS3 (4220) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresFromUTRANoverS3, indicates that the value of VS.cpiHOfailuresFromUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from UTRAN to a E-UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 22-99 WmmLSS\_cpiHOfailuresRAUto2G3GnewSgwOverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresRAUto2G3GnewSgwOverS3 (4222) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresRAuto2G3GnewSgwOverS3, indicates that the value of VS.cpiHOfailuresRAuto2G3GnewSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted RAU-based handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface with SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

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Table 22-100 WmmLSS\_cpiHOfailuresRAuto2G3GOverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresRAuto2G3GOverS3 (4221) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresRAuto2G3GOverS3, indicates the failure rate of attempted Routing Area Update (RAU) procedures from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface has exceeded a threshold in the last 5 minute interval. Failures encountered during the entire duration of the RAU procedure are included. Therefore, failures encountered both prior to and after SGW change determination are included. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-101 WmmLSS\_cpiHOfailuresRAuto2G3GsameSgwOverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresRAuto2G3GsameSgwOverS3 (4223) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresRAuto2G3GsameSgwOverS3, indicates that the value of VS.cpiHOfailuresRAuto2G3GsameSgwOverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the S3 interface without SGW Relocation. This is Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

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Table 22-102 WmmLSS\_cpiHOFailuresTo3G2GOverGn

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOFailuresTo3G2GOverGn (4218) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOFailuresTo3G2GOverGn, indicates that the value of VS.cpiHOFailuresto3G2GOverGn has exceeded a threshold in the last 15 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN/GERAN SGSN using the Gn interface. This includes Routing Area Update procedures. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the Gn link status and MME service status. Check fs.log for error indications related to Gn interface procedures, contact next level of support if internal MME errors are indicated.		

Table 22-103 WmmLSS\_cpiHOfailuresToGERANoverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresToGERANoverS3 (4224) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresToGERANoverS3, indicates that the value of VS.cpiHOfailuresToGERANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a GERAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

Table 22-104 WmmLSS\_cpiHOfailuresToUTRANoverS3

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiHOfailuresToUTRANoverS3 (4225) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiHOfailuresToUTRANoverS3, indicates that the value of VS.cpiHOfailuresToUTRANoverS3 has exceeded a threshold in the last 5 minute interval. This counter monitors the failure rate of attempted handovers from E-UTRAN to a UTRAN SGSN using the S3 interface. The failure rate is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> For failures attributed to the SGSN, check the target UTRAN/GERAN network for errors related to inter-system mobility procedures. For failures attributed to the MME, check the S3 link status and MME service status. Check fs.log for error indications related to S3 interface procedures, contact next level of support if internal MME errors are indicated.		

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Table 22-105 WmmLSS\_cpilInterSgsn2GrafFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpilInterSgsn2GrafFailures (8029) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpilInterSgsn2GrafFailures, indicates that the 2G value of VS.Gmm_succInterSgsnRaUpdate has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed Inter SGSN RAU Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Verify network connectivity and proper configuration between WMMs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-106 WmmLSS\_cpilInterSgsn3GrafFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpilInterSgsn3GrafFailures (8030) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpilInterSgsn3GrafFailures, indicates that the 3G value of VS.Gmm_succInterSgsnRaUpdate has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed Inter SGSN RAU Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Verify network connectivity and proper configuration between WMMs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

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Table 22-107 WmmLSS\_cpilInterSgsnSrnsFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpilInterSgsnSrnsFailures (8031) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpilInterSgsnSrnsFailures, indicates that the value of VS.Gmm_succInterSgsnRelocation_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed Inter SGSN SRNS Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Verify network connectivity and proper configuration between WMMs and SGSNs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-108 WmmLSS\_cpilIntraSgsn2GruaFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpilIntraSgsn2GruaFailures (8032) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpilIntraSgsn2GruaFailures, indicates that the 2G value of VS.Gmm_succIntraSgsnRaUpdate has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN RAU Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-109 WmmLSS\_cpilIntraSgsn3GruaFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpilIntraSgsn3GruaFailures (8033) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpilIntraSgsn3GruaFailures, indicates that the 3G value of VS.Gmm_succIntraSgsnRaUpdate has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN RAU Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-110 WmmLSS\_cpiIntraSgsnSrnsFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiIntraSgsnSrnsFailures (8034) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiIntraSgsnSrnsFailures, indicates that the value of VS.Gmm_succIntraSgsnRelocation_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed Intra SGSN SRNS Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check WMM for internal error conditions or ongoing problems. Examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-111 WmmLSS\_cpiMafAttachFailuresSysRelated

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafAttachFailuresSysRelated (4233) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafAttachFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for Attach procedures, which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 22-112 WmmLSS\_cpiMafAttachWithPGWreselection

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafAttachWithPGWreselection (4803) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm cpiAttachWithPGWreselection indicates meeting a threshold of the rate of PGW reselection during Attach procedures CPI.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

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Table 22-113 WmmLSS\_cpiMafAttachWithSGWreselection

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafAttachWithSGWreselection (4804) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm cpiAttachWithSGWreselection indicates meeting a threshold of the rate of SGW reselection during Attach procedures CPI.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-114 WmmLSS\_cpiMAFCommunicationFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMAFCommunicationFailureRate (4226) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, cpiMAFCommunicationFailureRate, indicates meeting a threshold of MAF communication failure rate on a per MAF service basis in the last 5 minutes. The failure rate is calculated from the measurement count VS.TotalMsgsRcvdFromMAF and VS.TotalMsgsSentToMAF in every interval of 5 minutes. On the MI GUI the alarm resource will indicate which MAF service has the problem in the MAF pool.		
<b>Remedial action:</b> Check the overload status of the MAF service firing this alarm. Check if there is any hung process in the MAF service firing this alarm. If the MAF service is duplex, try to switch the active MAF service. Contact Alcatel-Lucent Technical Support if problem still persists.		

Table 22-115 WmmLSS\_cpiMafEIRfailuresS13

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafEIRfailuresS13 (4234) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafEIRfailuresS13, indicates that the value of VS.LSS_cpiMafEIRfailuresS13 has exceeded a threshold in the last 5 minute interval. This counter monitors the percentage of unsuccessful EquipmentCheckRequest (ECR) to the number of ECRs attempted. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Verify the far end HSS (EIR) is functioning properly. Check fs.log for any ECR/ECA/S13 related errors to aid in determining the cause. Contact next level of support.		



Table 22-116 WmmLSS\_cpiMafExtServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafExtServiceReqFailuresSysRelated (4235) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMafExtServiceReqFailuresSysRelated indicates meeting a threshold of the Extended Service Request System Related Failure CPI.		
<b>Remedial action:</b> Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 22-117 WmmLSS\_cpiMafExtServiceRequestFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafExtServiceRequestFailures (4236) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMafExtServiceRequestFailures indicates meeting a threshold of the Extended Service Request Failure CPI.		
<b>Remedial action:</b> Verify MME provisioning data, especially PLMN, TAI-LAI-Mapping, LAI tables Verify that S1, S6a, S11 and SGs links are Unlocked/Enabled using link_cli Verify that there are no overload alarms on MME Contact Customer Support		

Table 22-118 WmmLSS\_cpiMafFailuresOverSGs

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafFailuresOverSGs (4237) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafFailuresOverSGs, indicates meeting/exceeding a threshold of the rate of failure for handling messages from the SGs interface, which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the SGs links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

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Table 22-119 WmmLSS\_cpiMafHLRAuthFail

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafHLRAuthFail (4238) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafHLRAuthFail, indicates meeting/exceeding a threshold of the rate of failure for handling Authentication failure messages from the HLR, which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the Gr link is in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support		

Table 22-120 WmmLSS\_cpiMafHSSreselection

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafHSSreselection (4805) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm cpiHSSreselection indicates meeting a threshold of the rate of HSS reselection during Authentication or Update Location procedures CPI.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-121 WmmLSS\_cpiMafPDNconnWithPGWreselection

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafPDNconnWithPGWreselection (4806) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm cpiPDNconnWithPGWreselection indicates meeting a threshold of the rate of PGW reselection during PDN connectivity procedures CPI.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-122 WmmLSS\_cpiMafServiceReqFailuresSysRelated

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafServiceReqFailuresSysRelated (4239) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafServiceReqFailuresSysRelated, indicates meeting/exceeding a threshold of the rate of system-related failures for UE Service Request procedures, which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the S1, S6a and S11 links are in-service/normal, using the link_cli command. Verify that no overload alarms exist on the MME. Contact Alcatel-Lucent Customer Support		

Table 22-123 WmmLSS\_cpiMafTauFailuresInterMme

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafTauFailuresInterMme (4240) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafTauFailuresInterMme, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the eNB, and MME links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the MME groups serving the eNB that is involved in the TAU procedure		

Table 22-124 WmmLSS\_cpiMafTauFailuresInterMmeInterSgw

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMafTauFailuresInterMmeInterSgw (4241) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMafTauFailuresInterMmeInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving MME relocation and SGW relocation which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the HSS, eNB, SGW, and MME links are in-service/normal, using link_cli. Verify UE subscription information in HSS. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, MME groups, and SGW Pools serving the eNB that are involved in the TAU procedure.		

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Table 22-125 WmmLSS\_cpiMaFTauFailuresInterSgw

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMaFTauFailuresInterSgw (4242) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMaFTauFailuresInterSgw, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures involving SGW relocation, which is calculated every 5 minutes.		
<b>Remedial action:</b> Verify that the eNB, and SGW links are in-service/normal, using the link_cli command. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB and the SGW Pools serving the eNB that is involved in the TAU procedure		

Table 22-126 WmmLSS\_cpiMBMSSessionStartM3FailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionStartM3FailureRate (4227) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionStartM3FailureRate indicates meeting a threshold of the MBMS Session Start M3 Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-127 WmmLSS\_cpiMBMSSessionStartSmFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionStartSmFailureRate (4228) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionStartSmFailureRate indicates meeting a threshold of the MBMS Session Start Sm Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-128 WmmLSS\_cpiMBMSSessionStopM3FailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionStopM3FailureRate (4229) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionStopM3FailureRate indicates meeting a threshold of the MBMS Session Stop M3 Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-129 WmmLSS\_cpiMBMSSessionStopSmFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionStopSmFailureRate (4230) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionStopSmFailureRate indicates meeting a threshold of the MBMS Session Stop Sm Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-130 WmmLSS\_cpiMBMSSessionUpdateM3FailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionUpdateM3FailureRate (4231) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionUpdateM3FailureRate indicates meeting a threshold of the MBMS Session Update M3 Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MCE, check the MCE/eNB and network connections for errors. For failures attributed to the MME, check the M3 link status and MME service status. Check fs.log for error indications related to M3 interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

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Table 22-131 WmmLSS\_cpiMBMSSessionUpdateSmFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMBMSSessionUpdateSmFailureRate (4232) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiMBMSSessionUpdateSmFailureRate indicates meeting a threshold of the MBMS Session Update Sm Failure Rate CPI.		
<b>Remedial action:</b> For failures attributed to the MBMS-GW, check the MBMS-GW and network for errors. For failures attributed to the MME, check the Sm link status and MME service status. Check fs.log for error indications related to Sm interface procedures, contact Alcatel-Lucent Customer Support if internal MME errors are indicated.		

Table 22-132 WmmLSS\_cpiMemAllocFail

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiMemAllocFail (4243) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiMemAllocFail, indicates the value of the VS.memAllocFail measurement monitored by the failed memory allocation attempts CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> Investigate the amount of load being handled by this service and take steps to reduce it if it is excessive. Otherwise contact Alcatel-Lucent Customer Support. If this alarm coincides with the introduction of a software update, contact Alcatel-Lucent Customer Support immediately. This alarm will clear automatically if the rate of memory allocation failures drops below the threshold.		

Table 22-133 WmmLSS\_cpiNoPSHOFailuresOverSv

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiNoPSHOFailuresOverSv (4244) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiNoPSHOFailuresOverSv indicates meeting a threshold of the Hand Down to UTRAN/GERAN via the Sv interface without PSHO Failure Rate CPI.		
<b>Remedial action:</b> Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and LVI(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

Table 22-134 WmmLSS\_cpiPSHOFailuresOverSv

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiPSHOFailuresOverSv (4245) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiPSHOFailuresOverSv indicates meeting a threshold of the Hand Down to UTRAN/GERAN via the Sv interface with PSHO Failure Rate CPI.		
<b>Remedial action:</b> Check counters and alarms related to the Sv interface. Verify network connectivity and proper configuration between the MME and MSC(s). Check the target UTRAN/GERAN network for configuration problems that could cause the handover preparation attempts to be rejected. Check the source E-UTRAN network and target UTRAN/GERAN network for handover failure conditions. Check fs.log for error indications related to Sv interface procedures. Contact next level of support if internal MME errors are indicated.		

Table 22-135 WmmLSS\_cpiReinitServiceSelf

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiReinitServiceSelf (4246) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiReinitServiceSelf indicates the value of the VS.reinitServiceSelf measurement monitored by the Automatic Service Re-initialization CPI exceeded a threshold in the last 15 minute interval.		
<b>Remedial action:</b> This alarm will clear automatically if the rate of re-initializations drops below the threshold. Check that a switch over has successfully occurred. Determine if any other alarms have been recently raised on the resource reported and address them. As this is likely the result of recovery escalation, one or more of these alarms may also be raised: LSS_cpiAsrtEsc, LSS_cpiExceptionService, LSS_cpiRestartTask. If a provisioning or configuration change was executed just before the alarm was raised, consider that the change is causing the problem. If a Software Update (SU) or Patch is being soaked, then this could indicate a problem with the software delivered; immediately contact Alcatel-Lucent Customer Support. If the situation persists after a switch-over, be sure that the prior active host of the service was removed from service and restored completely. Attempt another switch over to the original active host for the service if that has not already occurred. If the situation persists after two or more switch-overs of the pair within the service, then attempt to duplex fail the service. Attempt to power down the card providing the service and then restore it. If the problem clears, this suggests faulty hardware. In all cases, contact customer support regarding this alarm.		

Table 22-136 WmmLSS\_cpiS3TauFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiS3TauFailures (4247) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The raised alarm, LSS_cpiS3TauFailures, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link.		
<b>Remedial action:</b> Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

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Table 22-137 WmmLSS\_cpiS3TauFailuresInterSgw

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiS3TauFailuresInterSgw (4248) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiS3TauFailuresInterSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that involves a change of serving SGW.		
<b>Remedial action:</b> Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		

Table 22-138 WmmLSS\_cpiS3TauFailuresIntraSGW

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiS3TauFailuresIntraSGW (4249) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiS3TauFailuresIntraSGW, indicates meeting/exceeding a threshold of the rate of failure of Tracking Area Update procedures from an SGSN to the MME over an S3 link that do not involve a change of serving SGW.		
<b>Remedial action:</b> Verify that the eNB, SGW, HSS, and SGSN S3 links are in-service/normal, using link_cli. Verify the operational status of the SGSN and that the SGSN is responding to messages over the S3 link. Verify the operational status of the DNS server and that the DNS entries for the SGW are correct. Contact Alcatel-Lucent Customer Support to determine the status of the serving eNB, the HSS and the SGW serving the eNB that is involved in the TAU procedure.		



Table 22-139 WmmLSS\_cpiSgsn2GattachFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn2GattachFailures (8037) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn2GattachFailures, indicates that the 2G value of VS.Gmm_succGprsAttach has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN Attach Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check EIR and/or HSS for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and EIR and/or HSS. Examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-140 WmmLSS\_cpiSgsn2GpagingFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn2GpagingFailures (8038) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn2GpagingFailures, indicates that the 2G value of VS.Gmm_unsuccPacketSwitchingPaging has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN Paging Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check GERAN for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and GERAN. Contact next level of support.		

Table 22-141 WmmLSS\_cpiSgsn2GpdpActivationFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn2GpdpActivationFailures (8039) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn2GpdpActivationFailures, indicates that the 2G value of VS.Sm_succActPDPContextMSPerSgsn has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Activation. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring SGW and GGSN for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and SGW and GGSN. If WMM and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

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Table 22-142 WmmLSS\_cpiSgsn2GpdpDeactNwFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn2GpdpDeactNwFailures (8040) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn2GpdpDeactNwFailures, indicates that the 2G sum of VS.Sm_succGgsnDeactPDPCTX_G and VS.Sm_succSgsnDeactPDPCTX_G has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Deactivation NW. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring GERANs for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and GERANs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-143 WmmLSS\_cpiSgsn3GattachFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn3GattachFailures (8041) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn3GattachFailures, indicates that the 3G value of VS.Gmm_succGprsAttach has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN Attach Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check EIR and/or HSS for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and EIR and/or HSS. Examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-144 WmmLSS\_cpiSgsn3GpagingFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn3GpagingFailures (8042) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn3GpagingFailures, indicates that the 3G value of VS.Gmm_unsuccPacketSwitchingPaging has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN Paging Procedure. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check UTRAN for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and UTRAN. Contact next level of support.		

Table 22-145 WmmLSS\_cpiSgsn3GdpdActivationFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn3GdpdActivationFailures (8043) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn3GdpdActivationFailures, indicates that the 3G value of VS.Sm_succActPDPCTXMSPerSgsn has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Activation. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring SGW and GGSN for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and SGW and GGSN. If WMM and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-146 WmmLSS\_cpiSgsn3GdpdDeactNwFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsn3GdpdDeactNwFailures (8044) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsn3GdpdDeactNwFailures, indicates that the 3G sum of VS.Sm_succGgsnDeactPDPCTX_U and VS.Sm_succSgsnDeactPDPCTX_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Deactivation NW. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring UTRANs for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and UTRANs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-147 WmmLSS\_cpiSgsnPdpDeact2GmsFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsnPdpDeact2GmsFailures (8045) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsnPdpDeact2GmsFailures, indicates that the value of VS.Sm_succMSDeactPDPCTX_G has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Deactivation 2G MS. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

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## 22 — Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check neighboring GGSN and SGW for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and GERANS. If WMM and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

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Table 22-148 WmmLSS\_cpiSgsnPdpDeact3GmsFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsnPdpDeact3GmsFailures (8046) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsnPdpDeact3GmsFailures, indicates that the value of VS.Sm_succMSDeactPDPCTX_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Deactivation 3G MS. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring GGSN and SGW for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and UTRANs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-149 WmmLSS\_cpiSgsnPdpMod3GmsFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsnPdpMod3GmsFailures (8047) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsnPdpMod3GmsFailures, indicates that the value of VS.Sm_succModPDPCTX_Ms_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Modification 3G MS. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring GGSN and SGW for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM and UTRANs. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-150 WmmLSS\_cpiSgsnPdpMod3GnwFailures

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSgsnPdpMod3GnwFailures (8048) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_cpiSgsnPdpMod3GnwFailures, indicates that the value of VS.Sm_succModPDPCTXsgsn_U has crossed a threshold in the last 15 minute interval. This counter monitors the percentage of failed SGSN PDP Context Modification 3G NW. The calculated percentage is compared against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check neighboring UTRANs for error conditions or ongoing problems. Verify network connectivity and proper configuration between WMM, SGW and GGSN. If WMMs and network connectivity are verified, examine all the GTP failure counters to determine if one failure cause predominates, and check fs.log to determine if errors related to the Gn interface have been reported. Contact next level of support.		

Table 22-151 WmmLSS\_cpiSS7DropSCTPPktsRcvd

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSS7DropSCTPPktsRcvd (8035) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> This alarm, LSS_cpiSS7DropSCTPPktsRcvd, indicates the drop rate for transmitting SCTP packets (VS.SctpInSCTPPacks).		
<b>Remedial action:</b> Check to see if the IP network is experiencing congestion. If so, resolve the congestion and check if the alarm clear. If the alarm is not cleared, there is possibly an inconsistency with the provisioned data for the SS7 connections. Verify the consistency of the provisioned data on the local system and the remote system. If the alarm is not cleared, contact Alcatel-Lucent Customer Support. It is possible that there is data corruption which may require deleting and re-growing the SS7 connections or initializing the SS7 card		

Table 22-152 WmmLSS\_cpiSS7FailSCTPFastRetransRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiSS7FailSCTPFastRetransRate (8036) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> This alarm indicates the SCTP Fast Retransmit Count on a given card, is in a high percentage of the total outgoing SCTP packet count. The SCTP Fast Retransmit Rate CPI (Component Performance Indicator), is calculated every 5 minutes.		
<b>Remedial action:</b> Check to see if the IP network is experiencing congestion. If so, resolve the congestion and check if the alarm clear. If the alarm is not cleared, contact Alcatel-Lucent Customer Support.		

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Table 22-153 WmmLSS\_cpiStopWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiStopWarnMsgDeliveryS1MMEFailureRate (4250) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiStopWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Stop Warning Message Delivery S1MME Failure Rate CPI.		
<b>Remedial action:</b> Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Stop Warning Message procedure.		

Table 22-154 WmmLSS\_cpiStopWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiStopWarnMsgDeliverySBcFailureRate (4251) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiStopWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Stop Warning Message Delivery SBc Failure Rate CPI.		
<b>Remedial action:</b> Verify that the SBC links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Stop Warning Message procedure.		

Table 22-155 WmmLSS\_cpiUECapacityUsage

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiUECapacityUsage (4252) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, cpiUECapacityUsage, indicates meeting a threshold of a UE capacity utilization rate on a per MAF service basis in the last 5 minutes.		
<b>Remedial action:</b> Check how many MAF services the MME has and consider to install more MAF services to increase the MME capacity.		

Table 22-156 WmmLSS\_cpiWarnMsgDeliveryS1MMEFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiWarnMsgDeliveryS1MMEFailureRate (4253) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiWarnMsgDeliveryS1MMEFailureRate indicates meeting a threshold of the Warning Message Delivery S1MME Failure Rate CPI.		
<b>Remedial action:</b> Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the eNBs that are involved in the Write Replace Warning Message procedure.		

Table 22-157 WmmLSS\_cpiWarnMsgDeliverySBcFailureRate

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpiWarnMsgDeliverySBcFailureRate (4254) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_cpiWarnMsgDeliverySBcFailureRate indicates meeting a threshold of the Warning Message Delivery SBc Failure Rate CPI.		
<b>Remedial action:</b> Verify that the SBC links are in-service/normal, using link_cli. Verify that the S1MME links are in-service/normal, using link_cli. Verify the operational status of the CBC. Verify the operational status of the eNBs and that the eNBs are responding to messages over the S1MME link. Contact Alcatel-Lucent Customer Support to determine the status of the CBC and eNBs that are involved in the Write Replace Warning Message procedure.		

Table 22-158 WmmLSS\_cpuOverload

Alarm	Attributes	Applicable major releases
Name: WmmLSS_cpuOverload (4255) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the CPU utilization on a service has exceeded the threshold. The overload could be caused by one or more of the following reasons: base overload, per-service quota restriction overload or thread level CPU overload. The 'Additional Info' field of the alarm report will list the contributing causes. When thread level CPU overload level changes, a corresponding profile report is also generated.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that no running debug or testing tool is running that uses a lot of CPU. If CPU utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. If your application supports higher-capacity cards, consider replacing them. Verify if there are enough call servers, device servers, etc., to handle the expected load and add additional cards as appropriate.		

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Table 22-159 WmmLSS\_databaseConnectionLost

Alarm	Attributes	Applicable major releases
Name: WmmLSS_databaseConnectionLost (4257) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm can be displayed during the initiation of CNFG server (startFS or startCNFG), when the host_manager fails to connect to the database.		
<b>Remedial action:</b> Stop and restart the database using the following commands: stopFS sudo RCCmachoffline -u sudo RCCmachonline startFS If this alarm is fired from CDR host and not cleared, contact Alcatel-Lucent Customer Support.		

Table 22-160 WmmLSS\_databaseReplicationLinkDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_databaseReplicationLinkDown (4258) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm will be displayed when a database replication link is down.		
<b>Remedial action:</b> The host on one end of the bad link should be brought gracefully offline and online. Any active services on the blade should be switched to the mate host prior to bring the host offline. When the host is back online check replications links using 'lss login, type dbcli -R'.		

Table 22-161 WmmLSS\_databaseSizeExhausted

Alarm	Attributes	Applicable major releases
Name: WmmLSS_databaseSizeExhausted (4259) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised when a database approaches full capacity.		
<b>Remedial action:</b> If the alarm is a warning (84% full), the system impact on the specified database reaching capacity should be investigated. In some instances, a database at 84% capacity is acceptable. Contact Alcatel-Lucent Customer Support for additional details. If the alarm becomes Major (96% full), field support should be contacted. In most cases, steps to reduce the size of the database should be implemented. Alcatel-Lucent Customer Support should be contacted to assist in the investigation to reduce the size of the impacted database.		

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Table 22-162 WmmLSS\_dataMismatch

Alarm	Attributes	Applicable major releases
Name: WmmLSS_dataMismatch (4256) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A data mismatch has been detected, which indicates that there has been an error in provisioning. The additionalText field of the event provides the details of the data mismatch.		
<b>Remedial action:</b> A data mismatch has been detected, which indicates that there has been an error in provisioning. The mismatch is most probably between the configurations of the SCTP profile and Interface profile and between the network interface types. Another probable cause is that provisioned for an interface do not match the IP addresses learned from the remote end in the SCTP INIT-ACK message. This alarm must be manually cleared after the provisioned data is corrected.		

Table 22-163 WmmLSS\_dbHighCpuUtilization

Alarm	Attributes	Applicable major releases
Name: WmmLSS_dbHighCpuUtilization (4260) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates very high CPU time usage by a database system process.		
<b>Remedial action:</b> The host and pid of the process are printed in the alarm. Monitor CPU usage of this pid and contact Alcatel-Lucent Customer Support. This condition can generally be cleared by stopping and then starting RCC VM on the affected host.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-164 WmmLSS\_dbOffline

Alarm	Attributes	Applicable major releases
Name: WmmLSS_dbOffline (4261) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm will be displayed when the database is offline.		
<b>Remedial action:</b> Normally the alarm will be cleared automatically when Datablitz servers recover; If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 22-165 WmmLSS\_dbStatusUnexpected

Alarm	Attributes	Applicable major releases
Name: WmmLSS_dbStatusUnexpected (4262) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm will be displayed when the DataBlitz database can not be accessed.		
<b>Remedial action:</b> Normally the alarm will be cleared automatically when Datablitz database(s) becomes accessible. If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 22-166 WmmLSS\_degradedResource

Alarm	Attributes	Applicable major releases
Name: WmmLSS_degradedResource (4263) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A Critical Application Resource (CAR) has reached a degraded condition that indicates some aspect of the switch is not performing as expected. The affected service member is indicated in the alarm by the PoolType, PoolId, and PoolMemberId.		
<b>Remedial action:</b> The root cause depends on the specific resource that is degraded. From the alarm, determine the service member that is degraded, as shown by the PoolType, PoolId, and PoolMemberId. On the MI GUI, go to the Management Interface window. Under the appropriate shelf, click Service Members. In the Service Members window, right click the appropriate service member, and choose Display Degraded Critical Resources. A pop-up window will display the 'Resource name' for each resource that is causing the service member to be degraded. In most cases, when a resource is degraded, the associated alarm will be firing. See the entry for this alarm in the '9471 Mobility Management Entity Alarm Dictionary 418-111-208' for a list of resources and the associated alarms.		

Table 22-167 WmmLSS\_degrow

Alarm	Attributes	Applicable major releases
Name: WmmLSS_degrow (4264) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM degrow procedure, failures that occur will result in the generation of DEGROW alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the DEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-168 WmmLSS\_deviceServerCxnLost

Alarm	Attributes	Applicable major releases
Name: WmmLSS_deviceServerCxnLost (5077) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is generated when the mate-to-mate connection is lost for some service instance pairs. The service instance pairs that this alarm applies to includes: AMMS, H248, IMS, and the MPH.		
<b>Remedial action:</b> The alarm clears automatically when the switch-over is completed. If the alarm is not the result of a manual action, then the alarm will automatically clear within a minute. Customer Technical Support should be contacted if the alarm does not clear automatically. If the alarm is the result of a manual action, such as taking a host out of service, then the alarm will clear when the host is manually placed back into service.		

Table 22-169 WmmLSS\_diskGoingDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_diskGoingDown (4265) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host is going down, and is predicting failure in the next 24 hours.		
<b>Remedial action:</b> Backup Recovery actions for this LCP Host should be immediately executed. Alcatel-Lucent Customer Support should be immediately contacted		

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Table 22-170 WmmLSS\_diskSector

Alarm	Attributes	Applicable major releases
Name: WmmLSS_diskSector (4266) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the Smart Monitor Tool Set (smartmontools) has determined that the Disk Drive for this LCP Host has a bad sector.		
<b>Remedial action:</b> The card reporting the problem should be replaced, following the card replacement procedures.		

Table 22-171 WmmLSS\_dnsThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_dnsThreshold (4267) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates returned number of IP addresses in DNS query of diameter fully-qualified domain name (FQDN) exceeds its number threshold.		
<b>Remedial action:</b> Verify that destination FQDN is correctly provisioned on the GUI Verify that FQDN is correctly provisioned on the external DNS server( IP addresses count should be less than threshold value).		

Table 22-172 WmmLSS\_ethernetError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ethernetError (4268) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> One of the two Ethernet Links on a Service Host has failed.		
<b>Remedial action:</b> Regardless of the cause of the Ethernet Link alarm, integrity software running on the affected Service Host should automatically initiate a switch to redundant hardware to ensure that the effects of the failure are minimized. The following recovery actions may, in fact, be automatically initiated: Service Host switch, if multiple Ethernet Links are affected Ethernet Link switch, if a single Active Ethernet Link is affected None, if the hardware failure affects a Standby Ethernet Link The reason for the failure needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is cut, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 22-173 WmmLSS\_ethernetLinkDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ethernetLinkDown (4269) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The redundant Ethernet link has gone down on one of the diskless hosts. A link switchover may have occurred to move communication for that host to the remaining link, which is now simplex.		
<b>Remedial action:</b> Determine if any related alarms are also present, such as on the ESC, chassis, or board itself. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent CP 1000: Verify that the cable from the corresponding faceplate port to the external Ethernet router is connected and is good. Replace as necessary. On other Alcatel-Lucent Products: Verify that the ESC corresponding to this link is operational by viewing its status at MI, and by telnet to the ESC card. Correct or replace ESC as necessary. On Alcatel-Lucent 5400 LCP: Verify that the hub corresponding to this link is operational by viewing its status at MI, and by telnet to the Hub. Correct or replace Hub as necessary. On Alcatel-Lucent CP 1000: Verify that the external Ethernet router is operational. Correct or replace as necessary. On other Alcatel-Lucent Products: On the ESC verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. On Alcatel-Lucent 5400 LCP: On the hub verify that the Ethernet port corresponding to the card for this host is operational. Re-enable port as necessary. Replace the card used for this host using the appropriate FRU procedure as necessary. On Alcatel-Lucent CP 1000: Replace the card used for this host using the appropriate FRU procedure. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 22-174 WmmLSS\_excessiveExternalLinksDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_excessiveExternalLinksDown (4807) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> An excessive number of links of a given type (e.g. s1mme, s11, etc.) are down. This is usually due to a network connectivity problem and not the individual links between the WMM and the external entity. Once this alarm is triggered the WMM will stop reporting alarms and status for links of the given type. Once the network problem is resolved and the number of links down is no longer excessive, this alarm will clear and the status of all links of the given type will be updated. This alarm is raised when at least 100 links of a given type are down. This alarm clears when 95 or fewer links are down.		
<b>Remedial action:</b> Determine that there are no errors within the IP network. If the network entity data is provisioned on MME, verify the data is correct. Verify the network entity that MME fails to communicate with is in service.		

Table 22-175 WmmLSS\_externalConnectivity

Alarm	Attributes	Applicable major releases
Name: WmmLSS_externalConnectivity (4270) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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## 22 – Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major releases
<b>Description:</b> The system detected a problem or a state change to external connectivity.		
<b>Remedial action:</b> For INFO alarm, there is no action needed. For MAJOR and CRITICAL alarm, verify the cable connections from both HUB cards to customer layer 2 switches, check if the cables are plugged properly. For MAJOR and CRITICAL alarm, verify the port status on HUB cards, the port connect to the customer network should be in service. For MAJOR and CRITICAL alarm, verify the individual Ethernet port status on the HUB card for the given host with the alarm. For the CRITICAL alarm, verify connectivity to/from each of the IPs listed in the ARP list from the given host with the alarm. Check the next hop reported as failing. Contact Alcatel-Lucent Customer Support for the correction procedure if previous steps do not correct it.		

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Table 22-176 WmmLSS\_externalLinkConfigurationLimit

Alarm	Attributes	Applicable major releases
Name: WmmLSS_externalLinkConfigurationLimit (4410) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The maximum number of links for a given link type has been reached. When this limit is reached, it is not possible to create any new links of the given link type. Every 15 minutes a check will be performed in an attempt to recover any links which have not been used or have been disabled due to lack of far-end response. A configurable parameter, TdynMO, is used to control the aging algorithm for link recovery.		
<b>Remedial action:</b> Wait at least TdynMO time interval to allow the system to recover inactive or disabled links. If the system does not recover any links after TdynMO time interval, contact Alcatel-Lucent Customer Support.		

Table 22-177 WmmLSS\_externalLinkDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_externalLinkDown (4271) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Communication between WMM and another network entity can not be established.		
<b>Remedial action:</b> Verify the network entity that WMM fails to communicate with is in service. Determine that there are no errors within the IP network. If the network entity data is provisioned on WMM, verify the data is correct. If multiple links that terminate on the MIF (X1_1 or X2) are down, try switching MIF to hot-standby mate. If multiple links that terminate on the MPH (non-X1_1 and non-X2) are down, try switching MPH to hot-standby mate.		

Table 22-178 WmmLSS\_failedAttachReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedAttachReqsRateExceeded (4272) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedAttachReqsRateExceeded, indicates the value of the VS.cpiAttachFailures measurement, monitored when failure Attach request CPI exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Attach procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
<b>Remedial action:</b> Verify that the eNB, HSS and SGW links are in-service/normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-179 WmmLSS\_failedAuthRequestsHSSRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedAuthRequestsHSSRateExceeded (4273) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedAuthRequestsHSSRateExceeded, indicates the value of VS.cpiHSSauthFailures measurement, monitored when HSS failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the HSS, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions		
<b>Remedial action:</b> Clearance options include: Ensure communication between the MME and HSS (ping) If the HSS (S6a) link looks normal (using the link_cli command), and alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-180 WmmLSS\_failedAuthRequestsUERateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedAuthRequestsUERateExceeded (4274) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedAuthRequestsUERateExceeded, indicates the value of VS.cpiUEauthFailures measurement, monitored when UE failed Authentication requests exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Authentication procedure between the MME and the UE and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		

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## 22 — Alcatel-Lucent 9471 WMM alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify HSS and UE authentication data, using ueadmin_cli. If the authentication data looks good, and the alarm persists, contact Alcatel-Lucent Customer Support.		

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Table 22-181 WmmLSS\_failedCrDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedCrDedBearerReqsRateExceeded (4275) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedCrDedBearerReqsRateExceeded, indicates the value of VS.cpiCreateDedicatedBearerFailures measurement, monitored when failure on Create Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Create Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-182 WmmLSS\_failedDeactDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedDeactDedBearerReqsRateExceeded (4276) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedDeactDedBearerReqsRateExceeded, indicates the value of VS.cpiDeactivateDedBearerFailures measurement, monitored when failure on Deactivate Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Deactivate Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		



Table 22-183 WmmLSS\_failedHRPDhandoverRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedHRPDhandoverRateExceeded (4277) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedHRPDhandoverRateExceeded, indicates the value of VS.cpiHRPDHoFailures measurement, monitored when failure on a HRPD Handover request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover to HRPD procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Look at all the failure counters for the Handover to HRPD procedure in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 22-184 WmmLSS\_failedMobileTermLocRequestRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedMobileTermLocRequestRateExceeded (4278) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_failedMobileTermLocRequestRateExceeded indicates meeting a threshold of the Mobile Termination Location Request Failure CPI.		
<b>Remedial action:</b> Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

Table 22-185 WmmLSS\_failedNetwrkInducedLocRequestRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedNetwrkInducedLocRequestRateExceeded (4279) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_failedNetwrkInducedLocRequestRateExceeded indicates meeting a threshold of the Network Induced Location Request Failure CPI.		
<b>Remedial action:</b> Verify that the S1-MME and SLs links are in-service/normal, using link_cli. Refer to the Location Based Services failure counters to get a more specific failure reason. Contact Alcatel-Lucent Customer Support to determine the status of the SMLC that are involved in the LCS procedure.		

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Table 22-186 WmmLSS\_failedNumHOFwdRelocRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedNumHOFwdRelocRateExceeded (4280) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedNumHOFwdRelocRateExceeded, indicates the value of VS.cpiHowMMERelocFailures_atTarget measurement, monitored when failure on Handover request, with MME forward relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the Target MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Look at all the failure counters for the Handover procedure with MME relocation (at the Target MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 22-187 WmmLSS\_failedNumHOPathSwNewSgwRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedNumHOPathSwNewSgwRateExceeded (4281) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedNumHOPathSwNewSgwRateExceeded, indicates the value of VS.cpiHowSGWrelocFailures measurement, monitored when failure on Handover Path Switch request, to a different Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and with SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Look at all the failure counters for the Handover procedure without MME relocation and with SGW relocation in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 22-188 WmmLSS\_failedNumHOPathSwSameSgwRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedNumHOPathSwSameSgwRateExceeded (4282) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The raised alarm, LSS_failedNumHOPathSwSameSgwRateExceeded, indicates the value of VS.cpiHwNoRelocFailures measurement, monitored when failure on Handover Path Switch request, to same Serving Gateway, exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Handover procedure without MME relocation and without SGW relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

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Table 22-189 WmmLSS\_failedNumHORequiredRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedNumHORequiredRateExceeded (4283) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedNumHORequiredRateExceeded, indicates the value of VS.cpiHwMMERelocFailures_atSource measurement, monitored when failure on Handover request, with MME relocation, exceeded a threshold in the last 15 minute interval. This value computes the failure rate at the source MME for the Handover procedure with MME relocation, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Look at all the failure counters for the Handover procedure with MME relocation (at the Source MME) in the PMC XML files to determine if one failure cause predominates. If one is found, check User Documentation for any remedies specific to the found cause.		

Table 22-190 WmmLSS\_failedS1MMEconnEstRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedS1MMEconnEstRateExceeded (4284) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedS1MMEconnEstRateExceeded, indicates the value of VS.cpiS1MMEconnFailures measurement, monitored when failed S1MME Connect request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the eNB connection over S1-MME, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Verify PLMN or TAI provisioning data, via the MME provisioning GUI. After validation of the data, if the problem persists, contact Alcatel-Lucent Customer Support.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-191 WmmLSS\_failedServiceReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedServiceReqsRateExceeded (4285) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedServiceReqsRateExceeded, indicates the value of cpiServiceRequestFailures measurement, monitored when failure on Service request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the UE Service Request procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Ensure the S11 links to the SGW are normal, using the link_cli command. If the links look normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-192 WmmLSS\_failedTAURateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedTAURateExceeded (4286) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedTAURateExceeded, indicates the value of VS.cpiTauFailures measurement, monitored when failure on Tracking Area Update request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the TAU procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

Table 22-193 WmmLSS\_failedUpdBearerReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedUpdBearerReqsRateExceeded (4287) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedUpdBearerReqsRateExceeded, indicates the value of cpiUpdateBearerFailures measurement, monitored when failure on Update Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Ensure S11 links are normal, using the link_cli command. If the links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-194 WmmLSS\_failedUpdDedBearerReqsRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_failedUpdDedBearerReqsRateExceeded (4288) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_failedUpdDedBearerReqsRateExceeded, indicates the value of VS.cpiUpdateDedicatedBearerFailures measurement, monitored when failure on Update Dedicated Bearer request exceeded a threshold in the last 15 minute interval. This value computes the failure rate for the Update Dedicated Bearer procedure, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-195 WmmLSS\_fru

Alarm	Attributes	Applicable major releases
Name: WmmLSS_fru (4289) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM fru procedure, failures that occur will result in the generation of FRU alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the FRU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-196 WmmLSS\_ggsnDnsError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ggsnDnsError (4290) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> GGSN DNS Selection unable to retrieve IP Address. This alarm must be manually cleared.		
<b>Remedial action:</b> Verify that the GGSN IP Address is provisioned correctly on DNS server. Manually clear the alarm.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-197 WmmLSS\_grow

Alarm	Attributes	Applicable major releases
Name: WmmLSS_grow (4291) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM grow procedure, failures that occur will result in the generation of GROW alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the GROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-198 WmmLSS\_hostDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_hostDown (4292) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A Service Host abnormally transitioned to an out-of-service state. (Note, this alarm will only be generated if the mate Service Host is in-service.)		
<b>Remedial action:</b> In general, the first few occurrences of the abnormal termination is automatically recovered by integrity software on the Service Host, in which case no manual action is necessary. When automatic recovery occurs the alarm clears automatically as well. However, if the unexpected event causing the abnormal termination occurs at a frequent enough rate, the Service Host can be left in a permanent Unavailable state. If in this state the alarm will not be cleared automatically and manual action is necessary to restore the Service Host. Bringing a Service Host software back to an In-Service state can be initiated from the MI. Ultimately, the reason for the abnormal termination needs to be determined and a fix provided. Fortunately, debugging output is sent to the MI Log File and core files are typically generated when these conditions occur. To aid Alcatel-Lucent Customer Support in providing a fix, the storage of the MI Log File and the collection of any core files at the time the error occurred should be done and made available. The location of generated core files is /var/core on the Service host that experienced the abnormal termination.		

Table 22-199 WmmLSS\_internalCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_internalCommunicationFailure (4293) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Communication between active MIF member and active MAF/SAF member failed or communications between active MIF member and active MPH member failed.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify MPH, MIF and/or MAF have not been forced out-of-service. If communication is lost between the MPH and the MIF and it does not come back automatically, and MPH pool is in Active / Hot-standby state, try switching MPH to the standby member. If communication is lost between the MAF and the MIF and it does not come back automatically, and MAF pool is in Active / Hot-standby state, try switching MAF to the standby member. If communication is lost between the MIF and MPH and the MIF and MAFs and it does not come back automatically, and MIF pool is in Active / Hot-standby state, try switching MIF to the standby member.		

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Table 22-200 WmmLSS\_ippuBusError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ippuBusError (4294) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> There is a bus error on the indicated host between the HSPP4 hardware (IPPU) in the AMC slot and the host hardware.		
<b>Remedial action:</b> Determine if any related alarms are also present, such as on the ESC, chassis, or board itself. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent 9471 WMM: Utilize <code>ippu_cli</code> to print the status of the board on the OAM host. On Alcatel-Lucent 9471 WMM: Verify the appropriate FRUID via shelf manager is present in the given ShelfId CardId. On Alcatel-Lucent 9471 WMM: Visually verify HSPP4 hardware is present in the AMC slot of the alarm indicated with a ShelfId and CardId. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 IPPU in the AMC slot. If HSPP4 is not detected, attempt to powercycle the card. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 IPPU in the AMC slot. If HSPP4 is not detected, attempt to re-seat the card in the alarm by ShelfId and CardId. On Alcatel-Lucent 9471 WMM: On the Shelf Manager, verify the shelf and card in the alarm has an HSPP4 IPPU in the AMC slot. If HSPP4 is not detected, replace the card used for this host using the appropriate FRU procedure as necessary. On Alcatel-Lucent 9471 WMM: Attempt to reset the entire host (ShelfId/CardId) via appropriate CLI or MI. Before attempting this action, verify that there is an ACTIVE or STAND BY mate present in the system. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 22-201 WmmLSS\_ippuDegraded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ippuDegraded (8049) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>8.1.0</li> </ul>
<b>Description:</b> This alarm will be displayed when the IPPU is either not working or incorrectly configured.		
<b>Remedial action:</b> Reboot the MAF blade hosting the IPPU. If the alarm persists after 30 minutes, contact field support.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-202 WmmLSS\_ippuResourceReset

Alarm	Attributes	Applicable major releases
Name: WmmLSS_ippuResourceReset (4295) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> There was a software reset on the iPPU in the HSPP4 AMC or a restart by the PMB process in the host identified by ShelfId and CardId.		
<b>Remedial action:</b> Determine if any related alarms are present. Correct those alarms first and see if this alarm clears as a result. On Alcatel-Lucent 9471 WMM: Utilize <code>ippu_cli</code> to print the status of the board on the OAM host. On Alcatel-Lucent 9471 WMM: Before attempting this action, verify that there is an ACTIVE or STAND BY mate present in the system. Attempt to reset the entire card (shelf/slot) via appropriate CLI interface or MI. If the above steps do not clear the alarm, contact Alcatel-Lucent Customer Support.		

Table 22-203 WmmLSS\_liNearingCapacityLimit

Alarm	Attributes	Applicable major releases
Name: WmmLSS_liNearingCapacityLimit (4296) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The number of lawful interceptions has reached 80% of MAF/SAF capacity.		
<b>Remedial action:</b> Use the query option of the <code>li_target_cli</code> command to verify that the appropriate set of UEs are selected for lawful interception.		

Table 22-204 WmmLSS\_lostOfSDP

Alarm	Attributes	Applicable major releases
Name: WmmLSS_lostOfSDP (5152) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> SDP is operationally down.		
<b>Remedial action:</b> Check SDP configuration. Use <code>sdp-ping</code> to check accessibility far-end. Manually clear the alarm.		



Table 22-205 WmmLSS\_lostOfSpokeSDP

Alarm	Attributes	Applicable major releases
Name: WmmLSS_lostOfSpokeSDP (5153) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Spoke-SDP is operationally down.		
<b>Remedial action:</b> Check ingress and egress label mapping. Manually clear the alarm.		

Table 22-206 WmmLSS\_maxDurationExpiredOnHRPDhandover

Alarm	Attributes	Applicable major releases
Name: WmmLSS_maxDurationExpiredOnHRPDhandover (4297) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_maxDurationExpiredOnHRPDhandover, indicates the value of VS.cpiMaxDurationHRPDhandover measurement, monitored when timed out on HRPD handover request exceeded a threshold in the last 15 minute interval. This value is the maximum time taken to perform a Handover to HRPD.		
<b>Remedial action:</b> Check the network routers for possible network delay. When the MME is programmed to include internal delay measurements, check these PMC values.		

Table 22-207 WmmLSS\_memoryOverload

Alarm	Attributes	Applicable major releases
Name: WmmLSS_memoryOverload (4298) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates the memory utilization on a diskless service has exceeded a threshold or a memory allocation failure has occurred. The current default thresholds are: Minor - 80, Major - 85, Critical - 90.		
<b>Remedial action:</b> If memory usage regularly exceeds thresholds, investigate how the call traffic load can be reduced. If it does not clear after step 1, contact Alcatel-Lucent Customer Support to check if there is a memory leak occurring.		

Table 22-208 WmmLSS\_mmeDnsError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeDnsError (4299) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> MME DNS Selection unable to retrieve MME IP Address associated with FQDN. This alarm must be manually cleared.		
<b>Remedial action:</b> Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 22-209 WmmLSS\_mmeExternalLinkDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeExternalLinkDown (4300) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> </ul>
<b>Description:</b> Communication between MME and another network entity can not be established.		
<b>Remedial action:</b> Verify the network entity that the MME fails to communicate with is in service. Determine that no errors exist within the IP network. If the network entity data is provisioned on MME, verify that the data is correct. If multiple links that terminate on the MIF (X1_1 or X2) are down, try switching the MIF to its hot-standby mate. If multiple links that terminate on the MPH (non-X1_1 and non-X2) are down, try switching the MPH to its hot-standby mate.		

Table 22-210 WmmLSS\_mmeInternalCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeInternalCommunicationFailure (4301) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> </ul>
<b>Description:</b> Communication between active MIF member and active MAF member failed or communications between active MIF member and active MPH member failed.		
<b>Remedial action:</b> Verify MPH, MIF and/or MAF have not been forced out-of-service. If communication is lost between the MPH and the MIF and it does not come back automatically, and MPH pool is in Active / Hot-standby state, try switching MPH to the standby member. If communication is lost between the MAF and the MIF and it does not come back automatically, and MAF pool is in Active / Hot-standby state, try switching MAF to the standby member. If communication is lost between the MIF and MPH and the MIF and MAFs and it does not come back automatically, and MIF pool is in Active / Hot-standby state, try switching MIF to the standby member.		

Table 22-211 WmmLSS\_mmeLiNearingCapacityLimit

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeLiNearingCapacityLimit (4302) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> </ul>
<b>Description:</b> The number of lawful interceptions has reached 80% of MAF capacity.		
<b>Remedial action:</b> Use the query option of the li_target_cli command to verify that the appropriate set of UEs are selected for lawful interception.		

Table 22-212 WmmLSS\_mmeNoResetAckReceived

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeNoResetAckReceived (4303) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> </ul>
<b>Description:</b> No RESET ACKNOWLEDGEMENT message was received from the RNC after the MME/SGSN has sent and resent a RESET message.		
<b>Remedial action:</b> Verify the RNC that MME/SGSN fails to get the message from with is in service. Determine that no errors exist within the IP network.		

Table 22-213 WmmLSS\_mmeTaiFqdnError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_mmeTaiFqdnError (4304) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> </ul>
<b>Description:</b> SGW DNS Selection unable to retrieve SGW IP Address associated with TAI FQDN.		
<b>Remedial action:</b> Verify that the MCC, MNC, and TAC are provisioned correctly.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-214 WmmLSS\_msThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_msThreshold (4411) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Number of attached MS or UE threshold reached		
<b>Remedial action:</b> If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-215 WmmLSS\_nodeGroupOOS

Alarm	Attributes	Applicable major releases
Name: WmmLSS_nodeGroupOOS (4808) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> This Major alarm occurs when a Node Group state enters Redundancy. This Critical alarm occurs when a Node Group state enters Fault.		
<b>Remedial action:</b> The alarm is cleared when the node group state changed to Normal, i.e. all the nodes in this node group enter In Service(unblocked) state. Determine that there are no errors within the IP network. If errors exist, follow the operating procedures to correct these errors. Determine that the Ethernet Switch Card (ESC) is in service. If not, follow the local operating procedures to restore the ESC to service. Determine that the DNS is provisioned with correct IP addresses for the Destination URI. If not, correctly provision the DNS with the correct IP addresses for the Destination URI.		

Table 22-216 WmmLSS\_nodeOOS

Alarm	Attributes	Applicable major releases
Name: WmmLSS_nodeOOS (4809) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm indicates the state of a Node has changed from in-service to out-of-service.		
<b>Remedial action:</b> Determine if the destination URI is in service and is able to respond to the SIP heartbeat. If not, follow the operating procedures to restore the destination URI to service. Determine that there are no errors within the IP network. If errors exist, follow the operating procedures to correct these errors. Determine that the Ethernet Switch Card (ESC) is in service. If not, follow the local operating procedures to restore the ESC to service. Determine that the DNS is provisioned with correct IP addresses for the Destination URI. If not, correctly provision the DNS with the correct IP addresses for the Destination URI.		

Table 22-217 WmmLSS\_noResetAckReceived

Alarm	Attributes	Applicable major releases
Name: WmmLSS_noResetAckReceived (4305) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> No RESET ACKNOWLEDGEMENT message was received from the RNC after the WMM has sent and resent a RESET message.		
<b>Remedial action:</b> Verify the RNC that WMM fails to get the message from with is in service. Determine that there are no errors within the IP network.		

Table 22-218 WmmLSS\_nseBandwidthThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_nseBandwidthThreshold (4412) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> NSE bandwidth threshold reached		
<b>Remedial action:</b> Analyze the operation context of the alarm. Determine if this alarm is structural or conjectural. Analyze the figures reported by the observation counters to evaluate how quick the NSE bandwidth has increased. Depending on the result of the investigations: If the NSE bandwidth remains over this threshold most of the time, and if alarm with major severity also appears, upgrade of the SGSN configuration must be performed. Please contact Alcatel-Lucent Customer Support.		

Table 22-219 WmmLSS\_numberOfTuplesInUse

Alarm	Attributes	Applicable major releases
Name: WmmLSS_numberOfTuplesInUse (4309) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_numberOfTuplesInUse indicates that the number of tuples currently in use in a DA (data access) table used to store dynamic database information, has reached a threshold. The DA table in question is specified in the 'Resource'. The threshold is indicated in the 'Additional Information'.		
<b>Remedial action:</b> Contact Alcatel-Lucent Customer Support.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-220 WmmLSS\_numTOS10gtpcRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_numTOS10gtpcRateExceeded (4306) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_numTOS10gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S10 measurement, monitored when missing replies to S10(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S10, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Check the network routers for any problems. Check to determine if any other MME elements are having problems.		

Table 22-221 WmmLSS\_numTOS11gtpcRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_numTOS11gtpcRateExceeded (4307) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_numTOS11gtpcRateExceeded, indicates the value of VS.cpiGTPcResponseTO_S11 measurement, monitored when missing replies to S11(gtpc) request exceeded a threshold in the last 15 minute interval. This value computes the cpiage of Response messages that are not received over S11, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Verify that S11 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-222 WmmLSS\_numTOS3gtpcRateExceeded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_numTOS3gtpcRateExceeded (4308) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm, LSS_numTOS3gtpcRateExceeded, indicates the value of VS.numTOS3gtpcRateExceeded measurement, monitored when missing replies to S3(gtpc) request exceeded a threshold in the last 5 minute interval. This value computes the percentage of Response messages that are not received over S3, and compares the calculation against provisioned thresholds for Minor, Major, and Critical alarm conditions.		
<b>Remedial action:</b> Verify that S3 links are normal, using the link_cli command. If links are normal, and the alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-223 WmmLSS\_osSecInfoModificationDetected

Alarm	Attributes	Applicable major releases
Name: WmmLSS_osSecInfoModificationDetected (4310) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that an unexpected modification on the security information of a host operating system has been detected by the security audit program.		
<b>Remedial action:</b> Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct any errors found during the investigation the problem. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from the MI GUI.		

Table 22-224 WmmLSS\_osSecInformationMissing

Alarm	Attributes	Applicable major releases
Name: WmmLSS_osSecInformationMissing (4311) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the security information Golden copy of a host operating system has been deleted. The Golden copy is the initial snapshot of the host operating system, which is used by the security audit program to identify possible security violations of the host operating system.		
<b>Remedial action:</b> Access MI GUI for the detailed information of this security alarm. Investigate the problematic file identified in the additionalText string. Correct the problem by performing a Security Audit on this host from MI GUI to re-create the Golden copy. Contact Alcatel-Lucent Customer Support as needed. Once the error has been corrected, clear the alarm from MI GUI.		

Table 22-225 WmmLSS\_osSecUnexpectedInformation

Alarm	Attributes	Applicable major releases
Name: WmmLSS_osSecUnexpectedInformation (4312) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that security audit program has detected an unexpected program currently running on a host.		
<b>Remedial action:</b> First access MI GUI for the detailed information about this security alarm. Investigation is needed to find out how the offending service/program got installed. The alarm can be manually cleared after removing the service/program and verifying the system integrity.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-226 WmmLSS\_patch

Alarm	Attributes	Applicable major releases
Name: WmmLSS_patch (4313) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> </ul>
<b>Description:</b> When performing SIM patch procedure, failures that occur will result in the generation of PATCH alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the PATCH alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-227 WmmLSS\_pathAvailability

Alarm	Attributes	Applicable major releases
Name: WmmLSS_pathAvailability (4314) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is raised when SCTP path becomes unavailable. The local and remote provisioned addresses need to be checked for use of the correct 2 sub-networks provided. If the provisioned addresses match the 2 physical subnets, and if all address provisioned are also correct, then the physical network that carries the subnet used in the path 'unavailable' alarm needs to be investigated for trouble. The specifics of the path are documented in the 'additionalText' field of the alarm. These alarms may need to be cleared manually: as alarms are reported when path connectivity is established, however their contents are a function of provisioned addresses (paths) that may be wrong and changed when the connection is down, and may no longer match with the path that was originally alarmed.		
<b>Remedial action:</b> Verify that the endpoints IP addresses on the MME are the remote entity are provisioned correctly. Verify that the network between the MME and the remote entity is functioning correctly.		

Table 22-228 WmmLSS\_pdpThreshold

Alarm	Attributes	Applicable major releases
Name: WmmLSS_pdpThreshold (4413) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Number of activated PDP context threshold reached.		
<b>Remedial action:</b> Analyze the operation context of the alarm. Determine if this alarm is structural or conjectural. Analyze the observation counters values to evaluate how quick the number of activated PDP contexts has increased. Depending on the result of the investigations: If the activated PDP contexts overload corresponds to a specific peak, you don't need to perform any upgrade of the SGSN. If alarm LSS_pdpThreshold is present as major, the activated PDP contexts overload is constant. There is a gap between the demand of PS services and the SGSN processing capacity. You need to upgrade the SGSN configuration. Please contact Alcatel-Lucent Customer Support.		



Table 22-229 WmmLSS\_pgwDnsError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_pgwDnsError (4315) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> MME DNS Selection unable to retrieve PGW IP Address associated with FQDN. This alarm must be manually cleared.		
<b>Remedial action:</b> Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 22-230 WmmLSS\_pktCorruptionDetectedViaRCCLANCheck

Alarm	Attributes	Applicable major releases
Name: WmmLSS_pktCorruptionDetectedViaRCCLANCheck (4316) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The LANCHECK audit has identified corrupted packets being transmitted through the network.		
<b>Remedial action:</b> The reason for the data corruption needs to be understood and corrected. It is possible that the Service Host Ethernet Port failed, the cabling that interconnects the Ethernet Port to the network is damaged, the Routers and/or Ethernet Switches that make up the Alcatel-Lucent SoftSwitch Network failed. Investigate each of these reasons and discount or correct. Once corrected, the alarm will be cleared.		

Table 22-231 WmmLSS\_platformCommandFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_platformCommandFailure (4317) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that a linux command started via crond has failed to execute on a host.		
<b>Remedial action:</b> Access MI GUI for the detailed information of this security alarm. Investigate the specific offending file identified in additionalText string and correct the problem. Contact Alcatel-Lucent Customer Support as needed. Once the file has been corrected, clear the alarm from the MI GUI.		

## 22 – Alcatel-Lucent 9471 WMM alarms

Table 22-232 WmmLSS\_pmDataNotCollected

Alarm	Attributes	Applicable major releases
Name: WmmLSS_pmDataNotCollected (4318) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised alarm LSS_pmDataNotCollected indicates that the PM process on CNFG card could not receive PM data from a service in a interval(5 minutes).		
<b>Remedial action:</b> Check if the card is in the network congestion status. if it could not be pinged through, please restart the card. Check if the card is in the init status. if yes, please wait for a while. If the above steps do not correct the problem, contact Alcatel-Lucent Customer Support.		

Table 22-233 WmmLSS\_processDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_processDown (4319) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that an application process that should be running has terminated.		
<b>Remedial action:</b> Recovery software should automatically recover from the abnormal or maintenance event that has caused the process termination, without any manual involvement. The automatic recovery will restart just that process or will reboot the card as necessary. If the alarm does not clear or if it occurs repeatedly, contact Alcatel-Lucent Customer Support.		

Table 22-234 WmmLSS\_processNotStarted

Alarm	Attributes	Applicable major releases
Name: WmmLSS_processNotStarted (4320) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is LSS_processNotStarted as raised by the MME system		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> IPM: Based on the type of failure encountered, recovery actions may vary. If the ipmStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ipm process will automatically clear the alarm. DHCPD: Based on the type of failure encountered, recovery actions vary. If the dhcpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is correct, the startup of the dhcpd process will automatically clear the alarm. DNSPROXY: Based on the type of failure encountered, recovery actions may vary. If the dnsproxyStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the dnsproxy process will automatically clear the alarm. PDNS SERVER: Based on the type of failure encountered, recovery actions may vary. If the pdnsStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the pdns process will automatically clear the alarm. UNBOUND: Based on the type of failure encountered, recovery actions may vary. If the unboundStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the unbound process will automatically clear the alarm. LIGHTTPD: Based on the type of failure encountered, recovery actions may vary. If the lighttpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the lighttpd process will automatically clear the alarm. SSHD: Based on the type of failure encountered, recovery actions may vary. If the sshdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the sshd process will automatically clear the alarm. NTPD: Based on the type of failure encountered, recovery actions may vary. If the ntpdStartupFailure is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, the startup of the ntpd process will automatically clear the alarm.		

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Table 22-235 WmmLSS\_provisioningError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_provisioningError (4321) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>6.0.0</li> <li>7.0.0</li> <li>7.1.0</li> <li>8.0.0</li> <li>8.1.0</li> </ul>
<b>Description:</b> Missing provisioning of TAI-to-LAI mapping to MSC in 2G/3G operator for SGS based CSFB/SMS.		
<b>Remedial action:</b> Provision missing entries in TAI-LAI mapping table utilizing LAI in 2G/3G operator. Refer to user text in alarm.		

Table 22-236 WmmLSS\_rcclnhibitedMode

Alarm	Attributes	Applicable major releases
Name: WmmLSS_rcclnhibitedMode (4810) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>7.0.0</li> </ul>
<b>Description:</b> This alarm will be raised when RCC is set to inhibited mode on a host. Inhibited mode will prevent any service on that host from being switched over to its mate, or from failing over to its mate, and is typically used only during maintenance activities such as software upgrade or patching.		
<b>Remedial action:</b> The alarm will clear automatically when the RCC inhibit flag is cleared on the affected host. 1. To display the RCC inhibit flag on a host, run this command on the MI: For ATCA: rcc_adm --action disp_inhibit --host <value="It"/>hostname<value="gt"/> For cPSB: rcclnhibit -d <value="It"/>hostname<value="gt"/> where <value="It"/>hostname<value="gt"/> is the affected host name 2. To clear the RCC inhibit flag on a host, run this command from the MI: For ATCA: rcc_adm --action clr_inhibit --host <value="It"/>hostname<value="gt"/> For cPSB: rcclnhibit -a CLEAR <value="It"/>hostname<value="gt"/> where <value="It"/>hostname<value="gt"/> is the affected host name If the alarm does not clear after clearing the RCC inhibit flag, contact Alcatel-Lucent Customer Support"		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-237 WmmLSS\_remotedbLinkDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_remotedbLinkDown (4323) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm will be displayed when the remotedb trigger function connection does not exist.		
<b>Remedial action:</b> Normally the alarm will be cleared automatically when a remote service restarts and re-connects to the remotedb database; If this alarm is not cleared, please contact Alcatel-Lucent Customer Support.		

Table 22-238 WmmLSS\_remoteQueryServerFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_remoteQueryServerFailure (4322) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that a host has lost connection to a remote DNS/ENUM server.		
<b>Remedial action:</b> The user needs to check the failed DNS server as to the nature of the server failure		

Table 22-239 WmmLSS\_restore

Alarm	Attributes	Applicable major releases
Name: WmmLSS_restore (4324) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM restore procedure, failures that occur will result in the generation of RESTOR E alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the RESTOR E alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-240 WmmLSS\_serviceOnewayCommunication

Alarm	Attributes	Applicable major releases
Name: WmmLSS_serviceOnewayCommunication (4325) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A service might have one way communication to the Redundancy Manager and possibly other network elements.		
<b>Remedial action:</b> Wait approximately 1 minute 30 seconds; if the alarm does not clear autonomously, one will need to investigate why the alarm does not clear. Check and see if there are other outstanding alarms on this service that might trump the onewayCommunication alarm. Those alarms would be of type connectionLost; or any other alarms associated to the state of the service. Other alarms would indicate that a more severe problem exists on the service; and onewayCommunication could optionally be cleared at this point; as the other service based alarms most likely supersede the onewayCommunication alarm.		

Table 22-241 WmmLSS\_sgsnDnsError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_sgsnDnsError (4326) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> SGSN DNS Selection unable to retrieve SGSN IP Address associated with FQDN. This alarm must be manually cleared.		
<b>Remedial action:</b> Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

Table 22-242 WmmLSS\_sgwResourceDegraded

Alarm	Attributes	Applicable major releases
Name: WmmLSS_sgwResourceDegraded (8050) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 8.1.0</li> </ul>
<b>Description:</b> The raised LSS_sgwResourceDegraded alarm indicates the WMM selection on SGW or SGW-PGW pair has been degraded.		
<b>Remedial action:</b> Determine that there are no errors within the IP network. Determine that the SGW and/or SGW PGW pair are in service. Check if the invocation of wmm_cli tool was intentional.		

Table 22-243 WmmLSS\_sgwSelectionFailure

Alarm	Attributes	Applicable major releases
Name: WmmLSS_sgwSelectionFailure (5106) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> SGSN fails to select a SGW either due to failure to select SGW S5 service, SGW S8 service, or SGW S4 service. This alarm shall be manually cleared.		
<b>Remedial action:</b> Verify that the SGW is provisioned, configured correctly. Manually clear the alarm.		

Table 22-244 WmmLSS\_sheddingOverload

Alarm	Attributes	Applicable major releases
Name: WmmLSS_sheddingOverload (4327) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates the message shedding severity under system overload. The two severity levels indicate the degree of shedding severity. The types of messages/calls that are shed is specific to the application and there tends to be additional types of messages impacted by the shedding as the severity increases. Currently the default thresholds between Major and Critical is 70.		
<b>Remedial action:</b> Verify that there is no running debug or testing tool that uses a lot of CPU/memory. If CPU or memory utilization regularly exceeds thresholds, investigate how the call traffic load can be reduced: Reengineer so less traffic is directed to this office or card. Consider replacing the overloaded card pair with higher-capacity cards. Verify if there are enough cards to handle the expected load and add additional cards as appropriate.		

Table 22-245 WmmLSS\_shmcEthernetError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_shmcEthernetError (4328) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The Ethernet link to the Shelf Management Card (ShMC) has failed.		
<b>Remedial action:</b> Verify the hub port corresponding to this server by telnet to the hub card. Correct or replace the hub as necessary. Verify that the shelf management cards are running on active/standby status by 'clia shmstatus' command on shelf management card. Correct the status as necessary.		

Table 22-246 WmmLSS\_simxml

Alarm	Attributes	Applicable major releases
Name: WmmLSS_simxml (4329) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing simxml procedure, failures that occur will result in the generation of SIMXML alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the SIMXML alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-247 WmmLSS\_sipLinkSetMaxQuarantineList

Alarm	Attributes	Applicable major releases
Name: WmmLSS_sipLinkSetMaxQuarantineList (4811) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.0.0</li> </ul>
<b>Description:</b> This alarm occurs when the maximum number of out of service SIP linkset has been reached in the quarantine list.		
<b>Remedial action:</b> need manual procedure to clear the alarm		

Table 22-248 WmmLSS\_softwareAllocatedResourceOverload

Alarm	Attributes	Applicable major releases
Name: WmmLSS_softwareAllocatedResourceOverload (4330) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates that the utilization of a pre-allocated resource by software has exceeded thresholds. The resource could be internal buffer, data structure array, table entries, etc.		
<b>Remedial action:</b> Consider reengineering so that less traffic is directed to this service. If condition persists, contact Alcatel-Lucent Customer Support.		

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Table 22-249 WmmLSS\_softwareComponentDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_softwareComponentDown (5145) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Software that is executing on the Service Host has terminated abnormally.		
<b>Remedial action:</b> Generally, no manual action is necessary. Integrity software on the Service Host takes care of automatic recovery from the abnormal termination. When automatic recovery occurs the alarm will be cleared automatically as well. The affected software gets in a permanent unavailable state after frequent abnormal terminations. In this state, the alarm will not be cleared automatically and manual action will be necessary to restore the software. Bringing Service Host software back to an in-service state can be initiated from the MI. Use the MI GUI virtual host screen, initialization control option. If the problem reoccurs, contact Alcatel-Lucent Customer Support.		

Table 22-250 WmmLSS\_softwareComponentStandbyNotReady

Alarm	Attributes	Applicable major releases
Name: WmmLSS_softwareComponentStandbyNotReady (4331) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The state of the software component, Virtual Machine (VM) that is executing on the Service Host is standby-cold or standby-cool		
<b>Remedial action:</b> Generally, no manual action is necessary. Integrity software on the Service Host takes care of automatic recovery from the standby-cold/standby-cool state. When automatic recovery occurs the alarm clears automatically as well. The timing for each VM to come up is different. Since this alarm will fire during the NOR MAL init time, it should not treat as a problem until 10 minutes later. If the alarm does not clear after one interval, contact Alcatel-Lucent Customer Support.		

Table 22-251 WmmLSS\_svcdegrow

Alarm	Attributes	Applicable major releases
Name: WmmLSS_svcdegrow (4332) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM service degrow (svcdegrow) procedure, failures that occur will result in the generation of SVCDEGROW alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the SVCDEGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		



Table 22-252 WmmLSS\_svcgrow

Alarm	Attributes	Applicable major releases
Name: WmmLSS_svcgrow (4333) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing SIM service grow (svcgrow) procedure, failures that occur will result in the generation of SVCGROW alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the SVCGROW alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resumption of the SIM procedures will automatically clear the alarm.		

Table 22-253 WmmLSS\_swVersionMismatch

Alarm	Attributes	Applicable major releases
Name: WmmLSS_swVersionMismatch (4334) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The software version running on this service member does not match the version that should be running according to the database table IPCFG_POOL_MEMBERS, field build_sec.		
<b>Remedial action:</b> On the MI, run the remVersCheck command. It should show that for this service member, build_sec disagrees between the database and the running binary. Check whether either of them agrees with the service zip file. If the database and zip agree, initialize the service member. Otherwise, contact Alcatel-Lucent Customer Support.		

Table 22-254 WmmLSS\_taiFqdnError

Alarm	Attributes	Applicable major releases
Name: WmmLSS_taiFqdnError (4335) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> MME DNS Selection unable to retrieve SGW IP Address associated with FQDN. this alarm must be manually cleared.		
<b>Remedial action:</b> Verify that the FQDN is provisioned correctly in DNS server. Manually clear the alarm.		

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Table 22-255 WmmLSS\_tftpDownloadCorrupt

Alarm	Attributes	Applicable major releases
Name: WmmLSS_tftpDownloadCorrupt (4336) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm can be fired due to two different problems. Alarm information is given specific sub-section below.		
<b>Remedial action:</b> If the Additional Info field looks like TftpOpen() Failure Ret(hexadecimal error number), IOR et(hexadecimal error number), File( service application zip file name and path ), IP( hexadecimal version of the CNFG host IP ) continue on to step 2. Otherwise, go to step 3. Check the file name and path on the indicated CNFG host and ensure that is readable by all. If not performing SU or Path, recover file from mate CNFG host. reboot the host issuing the alarm If the alarm persists. Contact the Alcatel-Lucent Customer Support		

Table 22-256 WmmLSS\_threadsExhausted

Alarm	Attributes	Applicable major releases
Name: WmmLSS_threadsExhausted (5111) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> One or more critical CP Tasks have been un-responsive to regular Integrity Monitor - IMON Heartbeats. IMON attempted to restart them and multiple restarts have escalated to a Process Init on the Standby Card or a Switch Over to the Standby Card from the Active Card where the target stuck task was running.		
<b>Remedial action:</b> NOT APPLICABLE		

Table 22-257 WmmLSS\_upgrade

Alarm	Attributes	Applicable major releases
Name: WmmLSS_upgrade (4337) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> When performing Software Upgrade (SU) related activities (which includes bkupSys and SIM upgrade procedure), failures that occur will result in generation of SU alarm.		
<b>Remedial action:</b> Based on the type of failure encountered, recovery actions may vary. If the SU alarm is generated, contact Alcatel-Lucent Customer Support. Once the failure is corrected, a resume of the SIM procedures will automatically clear the alarm. For bkupSys, once the failure is corrected re-executing bkupSys will automatically clear the alarm.		

Table 22-258 WmmLSS\_virtualClusterDown

Alarm	Attributes	Applicable major releases
Name: WmmLSS_virtualClusterDown (4338) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A Virtual Cluster spanning a pair of Service Hosts abnormally transitioned to an out-of-service state. (Note, a Virtual Cluster is a logical grouping of a pair of Software Components. Each Software Component executes on a separate Service Host and typically runs Active and Standby.)		
<b>Remedial action:</b> If this alarm persists, contact Alcatel-Lucent Customer Support.		

Table 22-259 WmmRALARM\_Loop

Alarm	Attributes	Applicable major releases
Name: WmmRALARM_Loop (4339) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is RALARM_Loop as raised by the MME system		
<b>Remedial action:</b> loop 1 - Verify/replace circuit breakers/fuses. loop 2 - Depends on what device (e.g. temperature sensor) is connected to the external input. loops unavailable - contact Alcatel-Lucent Customer Support. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-260 WmmRALARM\_Power

Alarm	Attributes	Applicable major releases
Name: WmmRALARM_Power (4340) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm indicates a problem with the -48V, A feed or B feed, power to the Power Distribution Unit.		
<b>Remedial action:</b> Check the Power Distribution Units LEDs, circuit breakers, fuses, and power feeds. Replace the faulty alarm card, circuit breakers, fuses, or power feeds. If the problem persists, contact Alcatel-Lucent Customer Support.		

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Table 22-261 WmmSYS\_BackupFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_BackupFailure (4341) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The backup of an SNE has failed. On the next successful backup, this alarm will clear.		
<b>Remedial action:</b> If the additionalText of the alarm states 'Fail to get AccessKey for ESCHost/LNG application...', you need to set up userid/password on corresponding esc/Ing in 'Configuration Management' --> 'Backup Management' --> 'Login Administration' panel on MI GUI first. Attempt another backup. If the problem persists, contact Alcatel-Lucent Customer Support.		

Table 22-262 WmmSYS\_Configuration

Alarm	Attributes	Applicable major releases
Name: WmmSYS_Configuration (4344) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A possible configuration problem has been detected on the MI.		
<b>Remedial action:</b> If the specificProblem is MissingScheduledBackups: Run <code>mi_audit -a sched_backups</code> on the active MI to get a list of the devices that do not have a scheduled backup. For those devices, schedule a backup job using the MI GUI, Configuration Management->Backup Management->Scheduling Run <code>mi_audit -a sched_backups</code> on the active MI to clear the alarm once all required backups are scheduled. If the specificProblem is PMDisabled: Run <code>PMcontrol --master start</code> on the active MI to enable PM collection. This will enable PM collection on the MI and automatically clear this alarm. If the specificProblem is NTPServerNotConfigured: Configure at least one NTP server. For ATCA, to add and configure an NTP server, refer to the section 'To add or delete remote NTP servers IP addresses' in the Alcatel-Lucent 5400 Linux Control Platform Configuration Management, 270-702-014 and 'To setup secure NTP configuration' in the Alcatel-Lucent 5400 Linux Control Platform Security Management, 270-702-015. For CPSB, to add and configure an NTP server, refer to the section 'To add or delete NTP server IP address' and 'Setup secure NTP configuration' in the Alcatel-Lucent Control Platform 1800 Operations, Administration, Maintenance and Provisioning, 270-900-872. Run <code>mi_audit -a ntp</code> on the active MI to clear the alarm. If the specificProblem is NTPServerNotReachable: Run <code>ntpconf_admin --action show_server</code> to see the configured NTP server IP address(es). Resolve the connectivity problem to the intended NTP server. The NTP server should be pingable from the MI. Run <code>mi_audit -a ntp</code> on the active MI to clear the alarm. If the specificProblem is MaintModeEnabled: This alarm will be raised when the MI is placed into maintenance mode for any maintenance activity using the <code>mi_maint on</code> cmd. It will be cleared when taken out of maintenance mode, using the <code>mi_maint off</code> cmd. If for some reason the alarm is not cleared and the maintenance flag is off (verify with <code>mi_maint status</code> cmd), run <code>mi_audit -a maint_mode</code> on the active MI to clear the alarm.		

Table 22-263 WmmSYS\_CPM\_USERDATA\_INCONSITENCY

Alarm	Attributes	Applicable major releases
Name: WmmSYS_CPM_USERDATA_INCONSITENCY (4342) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A possible CPM user data inconsistency problem has been detected on the MI.		
<b>Remedial action:</b> Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 22-264 WmmSYS\_CPM\_USERDATA\_RESTORED

Alarm	Attributes	Applicable major releases
Name: WmmSYS_CPM_USERDATA_RESTORED (4343) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> CPM audit restore user's data after it finds issue.		
<b>Remedial action:</b> Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. If CPM status is OK and there is such alarm. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 22-265 WmmSYS\_EventQueueCapacity

Alarm	Attributes	Applicable major releases
Name: WmmSYS_EventQueueCapacity (4345) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The MI event queue is nearing or has exceeded it's capacity.		
<b>Remedial action:</b> If the problem persists, contact Alcatel-Lucent Customer Support.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-266 WmmSYS\_ICMPFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ICMPFailure (4346) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The MI was unable to communicate to a host via its IP interface.		
<b>Remedial action:</b> Verify that the ethernet cable is connected and in working order. Verify that the routers/switches are configured correctly. If the problem persists over several polling cycles, contact Alcatel-Lucent Customer Support.		

Table 22-267 WmmSYS\_IPsecConfig

Alarm	Attributes	Applicable major releases
Name: WmmSYS_IPsecConfig (4347) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Missing or obsolete SNMP Trap subnets found in the IPsec configuration file on the MI-Agent.		
<b>Remedial action:</b> A change to the IPsec configuration is needed. Please refer to the procedure described in the section titled 'To configure IPsec SNMP trap entries' in the 'Alcatel-Lucent 5400 Linux Control Platform, Security Management' guide for the ATCA platform, or in the 'Alcatel-Lucent Control Platform 1800 OAMP' guide for the CPSB platform.		

Table 22-268 WmmSYS\_LinkDown

Alarm	Attributes	Applicable major releases
Name: WmmSYS_LinkDown (4348) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A linkDown alarm signifies that the operational status for one of the communication links is about to enter the down state. The name/index of the interface is identified in the specificProblem of the alarm.		
<b>Remedial action:</b> Verify the cabling. Verify the far-end of the link.		

Table 22-269 WmmSYS\_NotifyDisabled

Alarm	Attributes	Applicable major releases
Name: WmmSYS_NotifyDisabled (4349) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when a user login is temporarily disabled, yet the user during this period attempts to login with the correct userid and password. User Intervention by a Security Administrator is not required when an user is temporarily disabled as long as no more logins are attempted within fifteen minutes interval. If a user becomes locked then an additional alarm (SYS_NotifyLocked) will be generated thus Security Administrator intervention will be required.		
<b>Remedial action:</b> Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly. Manually clear this alarm from the MI Alarm Browser.		

Table 22-270 WmmSYS\_NotifyLocked

Alarm	Attributes	Applicable major releases
Name: WmmSYS_NotifyLocked (4350) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when a user is locked out from being able to Log in due to repeated consecutive login failures. User Intervention by a Security Administrator is required to unlock the account.		
<b>Remedial action:</b> Contact the user of this userid to determine if they are aware of these attempts to log on to the system using this userid. Determine whether any security violations occurred and report accordingly Log onto NavisID GUI and unlock this user's account if appropriate. Manually clear this alarm from the MI Alarm Browser.		

Table 22-271 WmmSYS\_RADIUS\_TO\_LDAP\_FAILURE

Alarm	Attributes	Applicable major releases
Name: WmmSYS_RADIUS_TO_LDAP_FAILURE (4351) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when RADIUS fails to connect to LDAP during user authentication attempt		
<b>Remedial action:</b> This Alarm clears automatically when the fault condition is no longer present. Log in to active MI (ATCA) as root execute 'mivdstat -a' Make sure that Radius/LDAP Connection Health Check is Yes Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

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Table 22-272 WmmSYS\_ROOT\_ACCESS\_DENIED

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ROOT_ACCESS_DENIED (4352) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when a user makes three attempts within a 30 minute period to log onto the LCP hosts as root user id from a restricted domain. This alarm must be manually cleared		
<b>Remedial action:</b> This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Check the /var/log/auth.log for detailed information. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view this log.		

Table 22-273 WmmSYS\_ROOT\_FTP\_VIOLATION

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ROOT_FTP_VIOLATION (4353) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds. This alarm must be manually cleared.		
<b>Remedial action:</b> Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		

Table 22-274 WmmSYS\_ROOT\_LOGIN\_VIOLATION

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ROOT_LOGIN_VIOLATION (4354) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when an user try to login the system three times as root with wrong password in less 30 seconds. This alarm must be manually cleared.		
<b>Remedial action:</b> Need to find out where is the user attempted to log in. Check the /var/log/auth.log for detailed information.		



Table 22-275 WmmSYS\_ROOT\_SSH\_LOGIN\_VIOLATION

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ROOT_SSH_LOGIN_VIOLATION (4355) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when a user unsuccessfully attempts to ssh as root user onto the LCP host three times within 30 minutes. NOTE: If Disable Root SSH External Access feature is enabled, any external ssh as root attempt to the LCP host will be rejected and treated as a login failure. This alarm must be manually cleared.		
<b>Remedial action:</b> Need to check the /var/log/auth.log to identify the IP of the originating ssh request and attempt to identify the user attempting access the LCP host as root userid. Check the /var/log/auth.log for detailed information. The alarm must be manually cleared on the MI GUI.		

Table 22-276 WmmSYS\_SetupAAAFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SetupAAAFailure (4361) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> A possible CPM configuration problem has been detected on the MI.		
<b>Remedial action:</b> Login to active MI as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 22-277 WmmSYS\_SNETrapOverload

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SNETrapOverload (4356) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The SNMP trap rate threshold for a particular SNE to the MI-Agent has been exceeded.		
<b>Remedial action:</b> Verify the sanity of the SNE to determine what is causing it to send excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

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Table 22-278 WmmSYS\_SNMPAuthenticationFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SNMPAuthenticationFailure (4357) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> Signifies that an SNE managed by the MI is the addressee of an improperly authenticated network protocol message. SNMP community name and client authentication failures cause the Element Manager to generate this trap.		
<b>Remedial action:</b> Verify that the individual trying to access the system is a legitimate user, and that the SNMP community strings are set correctly. This alarm may be disabled by turning off the SNMP authentication traps on the SNE (providing the SNE supports this capability).		

Table 22-279 WmmSYS\_SNMPFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SNMPFailure (4358) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The MI was unable to communicate to a host via its SNMP interface.		
<b>Remedial action:</b> Verify that the ethernet cable is connected and in working order. Verify that the SNE may be ICMP-pinged over the same interface to determine whether it is an SNMP problem or a more general IP problem. If the problem is an IP problem, verify that the routers/switches are configured correctly. If the problem is only an SNMP problem and persists over several polling cycles, contact Alcatel-Lucent Customer Support.		

Table 22-280 WmmSYS\_SU\_TO\_ROOT\_FAILURE

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SU_TO_ROOT_FAILURE (4359) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm occurs when a user makes three failed attempts within a 30 minute period to su to become root user. This alarm will occur if you entered the wrong password for root three times during the 30 minute interval when attempting to su to root user.		
<b>Remedial action:</b> This Alarm should be cleared manually. Need to find out where the user is trying to log in from to further verify whether this is a legitimate user. Need to check the user's CLI shell history to investigate for possible suspicious activity. Check the /var/log/auth.log for detailed access information. Check the /var/log/bash.log to investigate the user's cli activity. You may also use the Security and Audit Trail Log Viewer on the MI-agent GUI to view these logs.		

Table 22-281 WmmSYS\_SYSTEMTrapOverload

Alarm	Attributes	Applicable major releases
Name: WmmSYS_SYSTEMTrapOverload (4360) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The SNMP trap rate threshold for a collection of SNEs to the MI-Agent has been exceeded.		
<b>Remedial action:</b> Verify the sanity of all SNEs in the system to determine which ones are sending excessive SNMP traps to the MI-Agent. As the cause for excessive traps can vary by instance, use standard fault detection techniques such as viewing alarms and/or network events at the MI-Agent, visual inspection of the SNE for external alarms and/or loose cables, and running diagnostic test to assist in determining the cause.		

Table 22-282 WmmSYS\_TestAlarm

Alarm	Attributes	Applicable major releases
Name: WmmSYS_TestAlarm (4362) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> This alarm is for testing only. There is no problem being reported. It is used to test the alarm handling functionality on the MI, from creation of an alarm on the MI to forwarding out through the MI's northbound interface. This alarm should be manually cleared when testing is completed.		
<b>Remedial action:</b> There is no recovery needed, as this is just a test alarm. The alarm can be cleared manually on the MI GUI, or by running <code>mi_testalarm -s Clear</code> on the active MI.		

Table 22-283 WmmSYS\_ThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: WmmSYS_ThresholdCrossed (4363) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The measurement data is not meeting the specified performance thresholds and the measurement data has reported errors that may indicate loss or degradation of functionality or capacity.		
<b>Remedial action:</b> Pay attention to the measurement data for which the alarm is reported. Study the state of the system to decide on a course of action.		

## 22 — Alcatel-Lucent 9471 WMM alarms

Table 22-284 WmmSYS\_UndiscoveredObject

Alarm	Attributes	Applicable major releases
Name: WmmSYS_UndiscoveredObject (4364) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: true Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> One or more undiscovered objects have been detected on the MI.		
<b>Remedial action:</b> On the MI GUI, run Tools->Global Discovery. If this does not clear the alarm, run the following command on the active MI host: If specificProblem is MissingSNE: <ip address>: mi_audit -a disc_sne If specificProblem is MissingHardware: mi_audit -a disc_hw If specificProblem is MissingServices: mi_audit -a disc_services If specificProblem is MissingHosts: mi_audit -a disc_hosts Contact Alcatel-Lucent Customer Support with the alarm details and the output of the mi_audit cmd.		

Table 22-285 WmmSYS\_WriteAAAFailure

Alarm	Attributes	Applicable major releases
Name: WmmSYS_WriteAAAFailure (4365) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: mmeUnspecifiedReason (607)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> CPM tools failed to create scripts that are used for pump data into blades.		
<b>Remedial action:</b> Login to active MI (ATCA) as root execute 'mividstat -a' Make sure CPM is enabled and Connection Health Check is Yes. If not, please refer to CDOC 270-702-015 section 'CPM and RBAC' to enable CPM. Check all the diskful and diskless blades are in service. Check existence and permission(Owner:root, permission:755) for the directory /var/opt/lib/cpm/fg on active MI. Please contact Alcatel-Lucent Customer Support for further support. Once the issue is resolved, this alarm should be cleared manually from the MI GUI.		

Table 22-286 WmmUnknownAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownAlarm (4366) Type: mmeAlarm (77) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-287 WmmUnknownCommunicationsAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownCommunicationsAlarm (4367) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: UnspecifiedReason (803)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown communications alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-288 WmmUnknownEnvironmentalAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownEnvironmentalAlarm (4368) Type: environmentalAlarm (2) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown environmental alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-289 WmmUnknownEquipmentAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownEquipmentAlarm (4369) Type: equipmentAlarm (3) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown equipment alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

**Table 22-290 WmmUnknownIntegrityViolationAlarm**

Alarm	Attributes	Applicable major releases
Name: WmmUnknownIntegrityViolationAlarm (4370) Type: integrityViolationAlarm (78) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown integrity violation alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

**Table 22-291 WmmUnknownOperationalViolationAlarm**

Alarm	Attributes	Applicable major releases
Name: WmmUnknownOperationalViolationAlarm (4371) Type: operationalViolationAlarm (79) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown operational alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

**Table 22-292 WmmUnknownPhysicalViolationAlarm**

Alarm	Attributes	Applicable major releases
Name: WmmUnknownPhysicalViolationAlarm (4372) Type: physicalViolationAlarm (80) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown physical violation alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-293 WmmUnknownProcessingErrorAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownProcessingErrorAlarm (4373) Type: processingErrorAlarm (81) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown processing error alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-294 WmmUnknownQualityOfServiceAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownQualityOfServiceAlarm (4374) Type: qualityOfServiceAlarm (82) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown quality of service alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

Table 22-295 WmmUnknownSecurityServiceOrMechanismViolationAlarm

Alarm	Attributes	Applicable major releases
Name: WmmUnknownSecurityServiceOrMechanismViolationAlarm (4375) Type: securityServiceOrMechanismViolationAlarm (83) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>• 6.0.0</li> <li>• 7.0.0</li> <li>• 7.1.0</li> <li>• 8.0.0</li> <li>• 8.1.0</li> </ul>
<b>Description:</b> The alarm is raised when an unknown mechanical violation alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		

**Table 22-296 WmmUnknownTimeDomainViolationAlarm**

Alarm	Attributes	Applicable major releases
Name: WmmUnknownTimeDomainViolationAlarm (4376) Type: timeDomainViolationAlarm (84) Package: Itemme Raised on class: Itemme.MmeAlarmEntry	Severity: variable Implicitly cleared: false Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"><li>• 6.0.0</li><li>• 7.0.0</li><li>• 7.1.0</li><li>• 8.0.0</li><li>• 8.1.0</li></ul>
<b>Description:</b> The alarm is raised when an unknown time domain violation alarm is received from the WMM system.		
<b>Remedial action:</b> Obtain the native WMM alarm name from the additional text field. Open the 9471 WMM MI GUI and locate the corresponding WMM alarm. Refer to the Fault Clearance Procedure in the help documentation for the alarm.		



## 23 – Alcatel-Lucent 9500 MPR alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 23-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 23-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 23-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

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Table 23-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 23-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

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Table 23-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 23-7 BandwidthDegradeForProtectionSwitch

Alarm	Attributes	Applicable major releases
Name: BandwidthDegradeForProtectionSwitch (4414) Type: equipmentAlarm (3) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: true Default probable cause: bandwidthDegradeERP (1580)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised on Element instance for 9500 when there are two instance per Radio Component (topology) and when one of the instance is enabled.		
<b>Remedial action:</b> Operator has Unconfigure the protection on ERPS instance.		

Table 23-8 BerLineSignalDegradation

Alarm	Attributes	Applicable major releases
Name: BerLineSignalDegradation (88) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalDegradation (74)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sd alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Degradation') AND ('Report Alarms'anyBit'BER Line Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

**Table 23-9 BerLineSignalFailure**

Alarm	Attributes	Applicable major releases
Name: BerLineSignalFailure (89) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: berLineSignalFailure (75)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line signal degradation BER error. The alarm corresponds to the lb2er-sf alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'BER Line Signal Failure') AND ('Report Alarms'anyBit'BER Line Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

**Table 23-10 BITS2NotQualified**

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 23-11 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

Table 23-12 BITSReferenceLossOfSignal

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

**Table 23-13 BITSReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 23-14 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		



Table 23-15 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 23-16 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 23-17 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 23-18 BundleDown

Alarm	Attributes	Applicable major releases
Name: BundleDown (152) Type: equipmentAlarm (3) Package: bundle Raised on class: bundle.Interface	Severity: critical Implicitly cleared: true Default probable cause: bundleDown (128)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the bundle Administrative State is Up and the Operational State is Down.		
<b>Raising condition:</b> (('Protection Type' EQUAL 'None') AND ('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up') AND ('specificCardType' NOT EQUAL '16 x E1 (ASAP)'))		
<b>Clearing condition:</b> (('Protection Type' NOT EQUAL 'None') OR ('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 23-19 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 23-20 CombinerLossOfAlignment

Alarm	Attributes	Applicable major releases
Name: CombinerLossOfAlignment (5604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: CombinerLossOfAlignment (2359)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when there is no alignment between Main and Diversity signal.		
<b>Remedial action:</b> Please refer MPR documentation for Corrective actions.		

**Table 23-21 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 23-22 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 23-23 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 23-24 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

**Table 23-25 CrossconnectDown**

Alarm	Attributes	Applicable major releases
Name: CrossconnectDown (744) Type: CrossconnectAlarm (60) Package: mpr Raised on class: mpr.Crossconnect	Severity: major Implicitly cleared: true Default probable cause: crossconnectDown (520)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an L2 or L3 interface is Down, and the Administrative State of the associated site is Up. The alarm is not raised against an L2 access interface that is in the MC ring standby state.		
<b>Raising condition:</b> ('xcRowStatus' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('xcRowStatus' EQUAL 'Active')		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

**Table 23-26 DAD**

Alarm	Attributes	Applicable major releases
Name: DAD (4416) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: duplicatedAddressDetected (1582)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is reported when MPR 9500 detects a duplicated IP address.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 23-27 DialogFailure (equipment)

Alarm	Attributes	Applicable major releases
Name: DialogFailure (1163) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: dialogFailure (866)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPT has a temporary communication failure.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 23-28 DialogFailure (mpr)

Alarm	Attributes	Applicable major releases
Name: DialogFailure (1163) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: dialogFailure (866)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPT has a temporary communication failure.		
<b>Remedial action:</b> The alarm is raised upon temporary loss of communication with MPT. Refer 9500 Node Maintenance manual for remedial action information		

Table 23-29 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 23-30 DS1E1AlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1AlarmIndicationSignal (112) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: alarmIndicationSignal (96)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an AIS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Alarm Indication Signal') AND ('Report Alarms'anyBit'Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		



Table 23-31 DS1E1Looped

Alarm	Attributes	Applicable major releases
Name: DS1E1Looped (126) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: farEndLoopback (102)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a remote loopback alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Far end wants the near end to loopback') AND ('Report Alarms'anyBit'Far end wants the near end to loopback'))		
<b>Remedial action:</b> Informational only.		

Table 23-32 DS1E1LossOfSignal

Alarm	Attributes	Applicable major releases
Name: DS1E1LossOfSignal (124) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an LOS alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Loss of Signal') AND ('Report Alarms'anyBit'Loss of Signal'))		
<b>Remedial action:</b> Informational only.		

**Table 23-33 DS1E1OutOfFrame**

Alarm	Attributes	Applicable major releases
Name: DS1E1OutOfFrame (125) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: outOfFrame (100)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an OOF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Out Of Frame') AND ('Report Alarms'anyBit'Out Of Frame'))))		
<b>Remedial action:</b> Informational only.		

**Table 23-34 DS1E1ResourceAvailabilityIndicator**

Alarm	Attributes	Applicable major releases
Name: DS1E1ResourceAvailabilityIndicator (114) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: resourceAvailabilityIndicator (98)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an RAI alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Resource Availability Indicator') AND ('Report Alarms'anyBit'Resource Availability Indicator'))))		
<b>Remedial action:</b> Informational only.		

Table 23-35 DS1E1SignalDegradation

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalDegradation (500) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalDegradation (386)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SD alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Degradation') AND ('Report Alarms'anyBit'Signal Degradation'))))		
<b>Remedial action:</b> Informational only.		

Table 23-36 DS1E1SignalFailure

Alarm	Attributes	Applicable major releases
Name: DS1E1SignalFailure (501) Type: communicationsAlarm (4) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: major Implicitly cleared: true Default probable cause: signalFailure (387)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has an SF alarm condition.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> Informational only.		

**Table 23-37 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 23-38 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 23-39 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 23-40 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 23-41 EquipmentInTest**

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 23-42 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 23-43 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 23-44 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 23-45 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 23-46 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		



Table 23-47 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 23-48 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 23-49 EthernetPortNoBlockLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 23-50 EthernetPortNoFrameLock**

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 23-51 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 23-52 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 23-53 ExternalTimingReferenceNotQualified**

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

**Table 23-54 FanFail**

Alarm	Attributes	Applicable major releases
Name: FanFail (5609) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: FanFail (2372)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when there is fan fail for MPTHLC.		
<b>Remedial action:</b> The alarm is raised when MPTHLC fan fails. Refer 9500 Node Maintenance manual for remedial action information.		

Table 23-55 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 23-56 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

**Table 23-57 FrameSizeProblem (netw)**

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

**Table 23-58 GaPeerDown**

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 23-59 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 23-60 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 23-61 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 23-62 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		



Table 23-63 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 23-64 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 23-65 LineAlarmIndicationSignal**

Alarm	Attributes	Applicable major releases
Name: LineAlarmIndicationSignal (84) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineAlarmIndicationSignal (70)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LAIS error. The alarm corresponds to the lais alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Alarm Indication Signal') AND ('Report Alarms'anyBit'Line Alarm Indication Signal'))))		
<b>Remedial action:</b> Informational only.		

**Table 23-66 LineErrorCondition**

Alarm	Attributes	Applicable major releases
Name: LineErrorCondition (94) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineErrorCondition (80)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Error Condition') AND ('Report Alarms'anyBit'Line Error Condition'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 23-67 LineRemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: LineRemoteDefectIndication (85) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lineRemoteDefectIndication (71)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a line remote defect indication error caused by an LOF, LOC, or LOS condition. The alarm corresponds to the lrdi alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Line Remote Defect Indication') AND ('Report Alarms'anyBit'Line Remote Defect Indication'))))		
<b>Remedial action:</b> Informational only.		

Table 23-68 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 23-69 LossOfClock (sonetequipment)**

Alarm	Attributes	Applicable major releases
Name: LossOfClock (83) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: lossOfClock (69)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an LOC condition, which causes the NE to set the port Operational State to Down.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Loss of Clock') AND ('Report Alarms'anyBit'Loss of Clock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

**Table 23-70 LossOfMultiFrame (equipment)**

Alarm	Attributes	Applicable major releases
Name: LossOfMultiFrame (3930) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfMultiFrame (1514)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> This alarm is raised when a loss of multiple frames occurs on the SDH port.		
<b>Remedial action:</b> This alarm is raised when there is a loss of multiple frames on the SDH port.		

Table 23-71 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 23-72 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 23-73 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 23-74 MobileConnectorDown**

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 23-75 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 23-76 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		

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## 23 — Alcatel-Lucent 9500 MPR alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

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Table 23-77 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 23-78 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

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Table 23-79 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 23-80 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>

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## 23 — Alcatel-Lucent 9500 MPR alarms

Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

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Table 23-81 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 23-82 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 23-83 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 23-84 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 23-85 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 23-86 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 23-87 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

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Table 23-88 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 23-89 PTPNotQualified

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 23-90 PTPReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 23-91 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To'anyBit'OOF'))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 23-92 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 23-93 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		



Table 23-94 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 23-95 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 23-96 RxDivMissing

Alarm	Attributes	Applicable major releases
Name: RxDivMissing (5646) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: RxDivMissing (2422)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPT is attached with combiner enabled.		
<b>Remedial action:</b> Please refer MPR documentation for Corrective actions.		

Table 23-97 RxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: RxSectionSynchronizationError (93) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: rxSectionSynchronizationError (79)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'RX Section Synchronization Error') AND ('Report Alarms'anyBit'RX Section Synchronization Error'))		
<b>Remedial action:</b> Check the link status between SONET Port and the source.		

Table 23-98 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 23-99 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 23-100 SectionB1Error**

Alarm	Attributes	Applicable major releases
Name: SectionB1Error (87) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionB1Error (73)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section error condition that a remote NE raises because of b1 errors received from the local NE. The alarm corresponds to the lrei alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section B1 Error') AND ('Report Alarms'anyBit'Section B1 Error'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

**Table 23-101 SectionLossOfFrame**

Alarm	Attributes	Applicable major releases
Name: SectionLossOfFrame (90) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfFrame (76)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOF error. The alarm corresponds to the slof alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Frame') AND ('Report Alarms'anyBit'Section Loss of Frame'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 23-102 SectionLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SectionLossOfSignal (91) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionLossOfSignal (77)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a SLOS error. The alarm corresponds to the slos alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section Loss of Signal') AND ('Report Alarms'anyBit'Section Loss of Signal'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected.		

Table 23-103 SectionS1Failure

Alarm	Attributes	Applicable major releases
Name: SectionS1Failure (86) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: sectionS1Failure (72)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports a section synchronization failure. A section synchronization failure occurs when the S1 byte is inconsistent for eight consecutive frames.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Section S1 Failure') AND ('Report Alarms'anyBit'Section S1 Failure'))))		
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 23-104 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 23-105 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 23-106 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 23-107 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 23-108 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 23-109 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		



**Table 23-110 TmnxEqPortEtherLoopDetected**

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

**Table 23-111 TrapDestinationMisconfigured**

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 23-112 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 23-113 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 23-114 TxSectionSynchronizationError

Alarm	Attributes	Applicable major releases
Name: TxSectionSynchronizationError (92) Type: communicationsAlarm (4) Package: sonetequipment Raised on class: sonetequipment.SonetPortMonitorSpecifics	Severity: major Implicitly cleared: true Default probable cause: txSectionSynchronizationError (78)	<ul style="list-style-type: none"> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when a SONET port reports an SS1F error. The alarm corresponds to the ss1f alarm on an NE.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'TX Section Synchronization Error') AND ('Report Alarms'anyBit'TX Section Synchronization Error'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 23-115 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 23-116 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 23-117 unsupportedPortUsage

Alarm	Attributes	Applicable major releases
Name: unsupportedPortUsage (5184) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: warning Implicitly cleared: true Default probable cause: incompatiblePortUsage (2100)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised in case unsupported port type is configured		
<b>Remedial action:</b> This alarm indicates unsupported port usage. Port usage configured on the NE is not supported by SAM.		

Table 23-118 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 23-119 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 23-120 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 23-121 VlanPathInstanceDown

Alarm	Attributes	Applicable major releases
Name: VlanPathInstanceDown (748) Type: VlanPathInstanceAlarm (61) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: vlanPathInstanceDown (524)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of a VLAN path instance is Down, for example, because of one of the following conditions: - The radio link is down. - A cross connect is deleted. - The Operational State of one or more ports in the cross connect is Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Ports and or links may be down. Please check the ports or links of the vlan path for root cause.		

Table 23-122 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 1.1.0</li> <li>• 3.0.0</li> <li>• 3.1.0</li> <li>• 3.2.0</li> <li>• 3.3.0</li> <li>• 3.4.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> <li>• 5.1.0</li> <li>• 5.2.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \"") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \"") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		





## 24 — Alcatel-Lucent 9500 MPRe alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 24-1 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

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Table 24-2 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 24-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 24-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 24-5 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 24-6 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 24-7 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 24-8 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 24-9 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 24-10 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 24-11 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 24-12 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 24-13 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 24-14 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 24-15 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 24-16 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 24-17 EquipmentInTest**

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 24-18 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 24-19 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		



Table 24-20 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 24-21 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 24-22 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\\"'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\\"'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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**Table 24-23 LagPortAddFailed**

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

**Table 24-24 LicensedLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 24-25 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 24-26 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 24-27 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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**Table 24-28 MvrSiteDown**

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

**Table 24-29 NeManagementAndTrapManagementMismatch**

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 24-30 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 24-31 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 24-32 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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**Table 24-33 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 24-34 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 24-35 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 24-36 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 24-37 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 24-38 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 24-39 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		



Table 24-40 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 24-41 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 24-42 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 24-43 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 24-44 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 24-45 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 24-46 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 24-47 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 24-48 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>3.3.0</li> <li>4.0.0</li> <li>4.1.0</li> <li>4.2.0</li> <li>5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 24-49 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>3.3.0</li> <li>4.0.0</li> <li>4.1.0</li> <li>4.2.0</li> <li>5.0.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 24-50 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 24-51 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

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Table 24-52 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 24-53 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 24-54 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 24-55 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 24-56 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 3.3.0</li> <li>• 4.0.0</li> <li>• 4.1.0</li> <li>• 4.2.0</li> <li>• 5.0.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 25-1 AAA\_addressPoolExhausted**

Alarm	Attributes	Applicable major releases
Name: AAA_addressPoolExhausted (5673) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.AAA	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the address pool for the available SeGW servers has become exhausted		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-2 AAA\_centralAAAFailure**

Alarm	Attributes	Applicable major releases
Name: AAA_centralAAAFailure (5674) Type: communicationsAlarm (4) Package: femto Raised on class: femto.AAA	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when communication to all central AAA has failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-3 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 25-4 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 25-5 AGSPProxy\_agpsServiceFailure

Alarm	Attributes	Applicable major releases
Name: AGSPProxy_agpsServiceFailure (5675) Type: communicationsAlarm (4) Package: femto Raised on class: femto.AGSPProxy	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is raised if a failure is detected on the Assisted GPS Service		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-6 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 25-7 AMCSlot\_deviceInstalledAssert

Alarm	Attributes	Applicable major releases
Name: AMCSlot_deviceInstalledAssert (5679) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Device installed assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-8 AMCSlot\_deviceInstalledDeassert

Alarm	Attributes	Applicable major releases
Name: AMCSlot_deviceInstalledDeassert (5680) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Device installed deassert		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 25-9 AMCSlot\_ds75DeviceinstalledCriticalAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledCriticalAssert (5681) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed critical assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-10 AMCSlot\_ds75DeviceinstalledCriticalDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledCriticalDeassert (5682) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed critical deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-11 AMCSlot\_ds75DeviceinstalledMajorAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledMajorAssert (5683) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed major assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-12 AMCSlot\_ds75DeviceinstalledMajorDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledMajorDeassert (5684) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed major deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-13 AMCSlot\_ds75DeviceinstalledMinorAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledMinorAssert (5685) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed minor assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-14 AMCSlot\_ds75DeviceinstalledMinorDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_ds75DeviceinstalledMinorDeassert (5686) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> DS 75 device installed minor deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-15 AMCSlot\_info12vDeviceInstalledAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info12vDeviceInstalledAssert (5687) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 12V device installed assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-16 AMCSlot\_info12vDeviceInstalledDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info12vDeviceInstalledDeassert (5688) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 12v device installed deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-17 AMCSlot\_info3vDeviceInstalledAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info3vDeviceInstalledAssert (5689) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 3V device installed assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-18 AMCSlot\_info3vDeviceInstalledDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info3vDeviceInstalledDeassert (5690) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 3v device installed deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-19 AMCSlot\_info5vDeviceInstalledAssert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info5vDeviceInstalledAssert (5691) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 5V device installed assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-20 AMCSlot\_info5vDeviceInstalledDeassert**

Alarm	Attributes	Applicable major releases
Name: AMCSlot_info5vDeviceInstalledDeassert (5692) Type: equipmentAlarm (3) Package: femto Raised on class: femto.AMCSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> 5V device installed deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-21 Application4G\_droppingS1Traffic

Alarm	Attributes	Applicable major releases
Name: Application4G_droppingS1Traffic (5693) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Application4G	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW drops S1 traffic since SCGW CPU/Memory utilization has crossed maximum threshold		
<b>Remedial action:</b> The alarm is cleared when the BSR Gateway recovers from the overload condition. The %CPU column of top command can be used to check the CPU utilization. Enter the command free to check the memory utilization. Free memory specified should be high, compared to the used memory available, for recovering to normal overload. The used buffer cache memory should be low. To drop the cache memory use the command echo 3 >/proc/sys/vm/drop_caches. Terminate some calls to check whether memory utilization comes down, clearing the alarm. If the memory utilization does not reduce and the alarm persists, de-register the Small Cells and check for reduction in memory utilization. If there is no reduction in memory utilization, even after call termination and enforced Small Cell de-registration. Enforce a BSR Gateway switch-over by terminating the BSR Gateway application.		

Table 25-22 Application4G\_failedToDecodeMMESentMsg

Alarm	Attributes	Applicable major releases
Name: Application4G_failedToDecodeMMESentMsg (5694) Type: communicationsAlarm (4) Package: femto Raised on class: femto.Application4G	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when SCGW fails to decode messages sent by MME		
<b>Remedial action:</b> Check whether the messages from the MME are properly framed. This fault is cleared manually from the OAM system.		

Table 25-23 Application4G\_failedToSendDataToHeNB

Alarm	Attributes	Applicable major releases
Name: Application4G_failedToSendDataToHeNB (5695) Type: communicationsAlarm (4) Package: femto Raised on class: femto.Application4G	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send data to BSR		
<b>Remedial action:</b> Check the connectivity between the Small Cell and BSR Gateway. Check whether the BSR Gateway sctp port (6005) towards Small Cell is open. Check for any errors with respect to sending the data towards Small Cell. This can be done by looking for LOG ERROR statements in LOG_FMG.log file under /opt/log/. Use the above mentioned information to isolate the issue at Small Cell or BSR Gateway. This alarm is cleared when data from the BSR Gateway reaches the Small Cell successfully.		



Table 25-24 Application4G\_failedToSendDataToMME

Alarm	Attributes	Applicable major releases
Name: Application4G_failedToSendDataToMME (5696) Type: communicationsAlarm (4) Package: femto Raised on class: femto.Application4G	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send data to MME		
<b>Remedial action:</b> Reduce memory utilization in SCGW, using the command free. Check if there is a reduction. Check whether memory overload alarm has been triggered. Terminate some calls to check if the memory utilization reduces, clearing the alarm. If there is no reduction in memory utilization, and the overload alarm still persists, then de-register the Small Cells. Now check for any reduction in memory utilization. If there is no reduction in memory utilization, even after call termination and enforced Small Cell de-registration. Enforce a BSR Gateway switchover by terminating the BSR Gateway application		

Table 25-25 Application4G\_henbIdClash

Alarm	Attributes	Applicable major releases
Name: Application4G_henbIdClash (5698) Type: operationalViolation (93) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected that another HENB tries to register with a henbId already used by another HeNB.		
<b>Remedial action:</b> Re-configure the Small Cell with a different ID. Re-register the Small Cell.		

Table 25-26 Application4G\_henbIntegrityViolation

Alarm	Attributes	Applicable major releases
Name: Application4G_henbIntegrityViolation (5699) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected a mismatch between the parameters received from the HeNB SETUP Request and the provisioned HeNB parameters. At least one of the following parameters might have been manipulated: - HeNB-Id, - TAC- Access mode		
<b>Remedial action:</b> Verify, that the HeNB-Id, TAC and access mode of the registered Small Cell is same as present in BSR DATA XML file. Re-register this Small Cell.		

**Table 25-27 Application4G\_heNbOutOfService**

Alarm	Attributes	Applicable major releases
Name: Application4G_heNbOutOfService (5697) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is triggered for HeNBs which have not registered with the SCGW during either the HenbRegisterAfterFailureTimer period or the HenbRegisterAfterInitTimer period and which have the Application4G::enableServiceMonitoringattribute set to True.		
<b>Remedial action:</b> The alarm is cleared by the Gateway whenApplication4G::enableServiceMonitoring attribute is disabled or the failed Small Cell tries to reregister.		

**Table 25-28 Application4G\_invalidHeNBS1SetupMessage**

Alarm	Attributes	Applicable major releases
Name: Application4G_invalidHeNBS1SetupMessage (5700) Type: communicationsAlarm (4) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives S1 SETUP message with an invalid HeNBId.		
<b>Remedial action:</b> Check whether any invalid IE is sent as part of Small Cell registration request.Check Fatal/Error logs in Log_FMG.log file with respect to decoding of Small Cell registration request.Use the above information to isolate the issue at Small Cell or BSR Gateway end.		

**Table 25-29 Application4G\_invalidS1flexConfiguration**

Alarm	Attributes	Applicable major releases
Name: Application4G_invalidS1flexConfiguration (5701) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when inconsistent/missing configuration data is detected for S1flex NNSF function		
<b>Remedial action:</b> Check the provisioned S1 Flex configuration function.		

Table 25-30 Application4G\_massHeNbOutOfService

Alarm	Attributes	Applicable major releases
Name: Application4G_massHeNbOutOfService (5702) Type: equipmentAlarm (3) Package: femto Raised on class: femto.Application4G	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is triggered when the number of active bsrOutOfService alarms reaches the threshold defined by the Application4G:: maxNumHenbServiceAlarms attribute		
<b>Remedial action:</b> The alarm is automatically detected and cleared by the Gateway, when the total number of failed Small Cells drops below the Application4G:: maxNumHenbServiceAlarms value.		

Table 25-31 Application4G\_newHeNBS1SetupRejectedDueToOverload

Alarm	Attributes	Applicable major releases
Name: Application4G_newHeNBS1SetupRejectedDueToOverload (5703) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.Application4G	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW rejects new HeNB SETUP request due to overload		
<b>Remedial action:</b> Check the loading on the SCGW		

Table 25-32 AtcaCardTemperatureLowerThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaCardTemperatureLowerThresholdAlarm (3710) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureLow (1448)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card temperature has decreased below any of the lower thresholds.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 25-33 AtcaCardTemperatureUpperThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardTemperatureUpperThresholdAlarm (3711) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardTemperatureHigh (1449)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card temperature has increased beyond any of the upper thresholds.		
<b>Raising condition:</b> ('Temperature Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Temperature Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor the blade. If the condition persists, replace the blade. If the condition applies to more than one blade, verify the performance of the site cooling system.		

**Table 25-34 AtcaCardVoltageLowerThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardVoltageLowerThresholdAlarm (3712) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageLow (1450)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card voltage level has decreased below any of the lower thresholds.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Lower Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

**Table 25-35 AtcaCardVoltageUpperThresholdAlarm**

Alarm	Attributes	Applicable major releases
Name: AtcaCardVoltageUpperThresholdAlarm (3713) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: AtcaCardVoltageHigh (1451)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the ATCA card voltage level has increased beyond any of the upper thresholds.		
<b>Raising condition:</b> ('Voltage Threshold State' EQUAL 'Upper Critical')		
<b>Clearing condition:</b> ('Voltage Threshold State' EQUAL 'Unspecified')		
<b>Remedial action:</b> Monitor. If the alarm persists and the blade is in the active state, it should be replaced.		

Table 25-36 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 25-37 BladeHardware\_alarm48VaAssert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_alarm48VaAssert (5861) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm 48Va assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-38 BladeHardware\_alarm48VaDeassert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_alarm48VaDeassert (5862) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm 48Va deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-39 BladeHardware\_alarm48VbAssert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_alarm48VbAssert (5863) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm 48Vb assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-40 BladeHardware\_alarm48VbDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_alarm48VbDeassert (5864) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Alarm 48Vb deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-41 BladeHardware\_bootOkAssert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_bootOkAssert (5865) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Boot OK assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-42 BladeHardware\_bootOkDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_bootOkDeassert (5866) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Boot OK deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-43 BladeHardware\_ipmbPhysicalAssert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_ipmbPhysicalAssert (5867) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> IPMB physical assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-44 BladeHardware\_ipmbPhysicalDeassert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_ipmbPhysicalDeassert (5868) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> IPMB physical deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-45 BladeHardware\_lm75localTempCriticalAssert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_lm75localTempCriticalAssert (5871) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature critical assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-46 BladeHardware\_Im75localTempCriticalDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempCriticalDeassert (5873) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature critical deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-47 BladeHardware\_Im75LocalTempMajorAssert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75LocalTempMajorAssert (5869) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature major assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-48 BladeHardware\_Im75localTempMajorDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempMajorDeassert (5874) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature major deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 25-49 BladeHardware\_Im75localTempMinorAssert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempMinorAssert (5875) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature minor assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-50 BladeHardware\_Im75localTempMinorDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempMinorDeassert (5876) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LM 75 local temperature minor deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-51 BladeHardware\_ncpuFatalErrAssert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_ncpuFatalErrAssert (5877) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> NCPU fatal assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-52 BladeHardware\_ncpuFatalErrDeassert**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_ncpuFatalErrDeassert (5878) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> NCPU fatal deassert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-53 BladeHardware\_powerConsumptionMinor**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_powerConsumptionMinor (5879) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Power consumption minor		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-54 BladeHardware\_switchConnectionLost**

Alarm	Attributes	Applicable major releases
Name: BladeHardware_switchConnectionLost (5880) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Switch connection lost		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-55 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 25-56 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 25-57 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 25-58 BPG\_noBpgMapping

Alarm	Attributes	Applicable major releases
Name: BPG_noBpgMapping (5765) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BPG	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the BPG function receives a user plane packet which gets discarded due to there being no associated binding in the BPG mapping table.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-59 BSG\_aBSGueRegTableFull

Alarm	Attributes	Applicable major releases
Name: BSG_aBSGueRegTableFull (5766) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the UE Registration Table has become full and existing entries have been discarded to make space for new entries		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-60 BSG\_allocationOfStreamFail

Alarm	Attributes	Applicable major releases
Name: BSG_allocationOfStreamFail (5767) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when SCGW fails to allocate requested stream ID by BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-61 BSG\_bsgppPagingHighRateExceeded

Alarm	Attributes	Applicable major releases
Name: BSG_bsgppPagingHighRateExceeded (5768) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the number of bsgpp Batch Paging messages processed per second has exceeded its High limit. Batch Paging is either greater than the configurable high CPU utilization or greater than the configurable High Batch Paging message rate. The number of Batch Paging messages sent shall be degraded to a rate within bounds.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-62 BSG\_bsgppPagingLowRateExceeded

Alarm	Attributes	Applicable major releases
Name: BSG_bsgppPagingLowRateExceeded (5769) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the number of bsgpp Batch Paging messages processed per second has exceeded its Low limit. Batch Paging is either greater than the configurable low CPU utilization or greater than the configurable Low Batch Paging message rate.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-63 BSG\_bsrOutOfService

Alarm	Attributes	Applicable major releases
Name: BSG_bsrOutOfService (5770) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is triggered for BSRs which have not registered with the SCGW during either the bsrRegisterAfterFailureTimer period or the bsrRegisterAfterInitTimer period and which have the BSR::enableServiceMonitoringattribute set to True.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 25-64 BSG\_cellBroadcastConflictingServiceArea**

Alarm	Attributes	Applicable major releases
Name: BSG_cellBroadcastConflictingServiceArea (5771) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm shall be raised when a Small Cell registers a Broadcast Service Area Identifier already in use by another Small Cell.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-65 BSG\_cellBroadcastInvalidServiceArea**

Alarm	Attributes	Applicable major releases
Name: BSG_cellBroadcastInvalidServiceArea (5772) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm shall be raised when a Small Cell attempts to register a Broadcast Service Area Identifier which does not correspond to the one provisioned for that Small Cell.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-66 BSG\_collapsingLAI**

Alarm	Attributes	Applicable major releases
Name: BSG_collapsingLAI (5773) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when a SC requests the identity of a PSC/UARFCN that can only be matched to an entry from a different SC group, but with the same LAI		
<b>Remedial action:</b> Check LAI planning and consider changing LAI of one of the impacted SC groups. This alarm is manually cleared from the OAM system.		

Table 25-67 BSG\_differentLacRacSameGroup

Alarm	Attributes	Applicable major releases
Name: BSG_differentLacRacSameGroup (5774) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when a Femto belonging to a Group has tried to register with a different Macro LAC RAC than other Femtos belonging to the same Group.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-68 BSG\_differentMacroLacRacDetected

Alarm	Attributes	Applicable major releases
Name: BSG_differentMacroLacRacDetected (5775) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when Femto registration contains a Macro LAC RAC that is not provisioned on the BSG..		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-69 BSG\_droppingRANAPTraffic

Alarm	Attributes	Applicable major releases
Name: BSG_droppingRANAPTraffic (5776) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW drops RANAP traffic since SCGW CPU/Memory utilization has crossed maximum threshold		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-70 BSG\_failedIMSI Retrieval**

Alarm	Attributes	Applicable major releases
Name: BSG_failedIMSI Retrieval (5777) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW is not able to retrieve the IMSI directory entries		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-71 BSG\_failedToDecodeMSCSentMsg**

Alarm	Attributes	Applicable major releases
Name: BSG_failedToDecodeMSCSentMsg (5778) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when SCGW fails to decode messages sent by 3G-MSC		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-72 BSG\_failedToSendDataToBSR**

Alarm	Attributes	Applicable major releases
Name: BSG_failedToSendDataToBSR (5779) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send data to BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-73 BSG\_failedToSendDataToMSC**

Alarm	Attributes	Applicable major releases
Name: BSG_failedToSendDataToMSC (5780) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when SCGW fails to send data to 3G-MSC		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-74 BSG\_hnbIntegrityViolation

Alarm	Attributes	Applicable major releases
Name: BSG_hnbIntegrityViolation (5781) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when BSG has detected a mismatch between the registration parameters received from the BSR and the provisioned BSR parameters. At least one of the following parameters might have been manipulated: - Cell-Id, - HNB Identity		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-75 BSG\_imsiDirectoryFull

Alarm	Attributes	Applicable major releases
Name: BSG_imsiDirectoryFull (5782) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the IMSI directory has become full and existing entries have been discarded to make space for new entries		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-76 BSG\_incomingHoProvisionError

Alarm	Attributes	Applicable major releases
Name: BSG_incomingHoProvisionError (5783) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised if the Target BSR Selection Algorithm has incorrect data provisioned for incoming HO on a particular RAT, when incoming HO is enabled for that RAT,		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-77 BSG\_invalidBSRIdInBSRRegistrationMessage**

Alarm	Attributes	Applicable major releases
Name: BSG_invalidBSRIdInBSRRegistrationMessage (5784) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives BSR registration message with already registered BSR ID and different IP Sec address		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-78 BSG\_invalidMocnConfiguration**

Alarm	Attributes	Applicable major releases
Name: BSG_invalidMocnConfiguration (5785) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm shall be raised when CS or PS region is not assigned or CN Node for selected operator is not configured in the region for split NRIs based MOCN operator selection		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-79 BSG\_macroLacRacNotAllowed**

Alarm	Attributes	Applicable major releases
Name: BSG_macroLacRacNotAllowed (5786) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Femto registration contains a Macro LAC RAC that is not allowed by this Femto.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-80 BSG\_massBsrCsCnConnLost

Alarm	Attributes	Applicable major releases
Name: BSG_massBsrCsCnConnLost (5787) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: remoteNodeTransmissionError (714)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> A significant number of Femto BSRs have detected a loss of connectivity to the CS Core Network, even though their transport layer is still connected.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-81 BSG\_massBsrOutOfService

Alarm	Attributes	Applicable major releases
Name: BSG_massBsrOutOfService (5788) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is triggered when the number of active bsrOutOfService alarms reaches the threshold defined by the BSG::maxNumBSRServiceAlarms attribute		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-82 BSG\_maximumImsiListThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: BSG_maximumImsiListThresholdExceeded (5789) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the number of IMSIs in the ACL lists defined on the SCGW has exceeded the maximum threshold defined by attribute maximumIMSIList. The alarm is automatically cleared whenever the number falls below this threshold.		
<b>Remedial action:</b> The operator must do a manual clearance. This alarm gets cleared when total number of IMSIs in the ACL lists defined on the SCGW falls below the maximumIMSIList value.		

**Table 25-83 BSG\_minimumImsiListThresholdExceeded**

Alarm	Attributes	Applicable major releases
Name: BSG_minimumImsiListThresholdExceeded (5790) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the number of IMSIs in the ACL lists defined on the SCGW has exceeded the minimum threshold defined by attribute minimumIMSiList. The alarm is automatically cleared whenever the number falls below this threshold.		
<b>Remedial action:</b> The operator must do a manual clearance. This alarm gets cleared when total number of IMSIs in the ACL lists defined on the BSR Gateway falls below the minimumIMSiList value.		

**Table 25-84 BSG\_newBSRRegistrationRejectedDueToOverload**

Alarm	Attributes	Applicable major releases
Name: BSG_newBSRRegistrationRejectedDueToOverload (5791) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW rejects new BSR registration due to overload		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-85 BSG\_newRANAPCallRejectedDueToOverload**

Alarm	Attributes	Applicable major releases
Name: BSG_newRANAPCallRejectedDueToOverload (5792) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.BSG	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW rejects RANAP calls due to overload		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-86 BSG\_pagingRecordLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: BSG_pagingRecordLimitExceeded (5793) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the number of Paging messages for the same Macro LAC RAC per Batch has exceeded its limit.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-87 BSG\_pscInconsistent**

Alarm	Attributes	Applicable major releases
Name: BSG_pscInconsistent (5794) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised if PSC consistency is not maintained at BSR registration for open access BSR with incoming HO enabled.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-88 BSG\_ranapPagingHighRateExceeded**

Alarm	Attributes	Applicable major releases
Name: BSG_ranapPagingHighRateExceeded (5795) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the number of RANAP Paging messages per second received has exceeded its High limit. RANAP Paging messages above this limit shall be dropped.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-89 BSG\_ranapPagingLowRateExceded**

Alarm	Attributes	Applicable major releases
Name: BSG_ranapPagingLowRateExceded (5796) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: warning Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the number of RANAP Paging messages per second received has exceeded its Low limit.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-90 BSG\_rangeOfStreamIdFromMSCNotSupported**

Alarm	Attributes	Applicable major releases
Name: BSG_rangeOfStreamIdFromMSCNotSupported (5797) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives RANAP message with invalid stream ID on the SCTP association from the 3G-MSC		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-91 BSG\_rangeOfStreamIdNotSupported**

Alarm	Attributes	Applicable major releases
Name: BSG_rangeOfStreamIdNotSupported (5798) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives STRMGR PDU with invalid stream ID from the BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-92 BSG\_receivedInvalidBSRRegistrationMessage**

Alarm	Attributes	Applicable major releases
Name: BSG_receivedInvalidBSRRegistrationMessage (5799) Type: communicationsAlarm (4) Package: femto Raised on class: femto.BSG	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives invalid BSR registration message from BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-93 BSG\_registrationOfBSRFailed**

Alarm	Attributes	Applicable major releases
Name: BSG_registrationOfBSRFailed (5800) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BSG	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to register a valid BSR registration request due to some configuration errors in SCGW		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-94 BVG\_noBvgMapping**

Alarm	Attributes	Applicable major releases
Name: BVG_noBvgMapping (5860) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.BVG	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the BVG function receives a user plane packet which gets discarded due to there being no associated binding in the BVG mapping table.		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-95 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 25-96 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 25-97 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		



Table 25-98 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 25-99 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 25-100 CPU\_memTempMajor

Alarm	Attributes	Applicable major releases
Name: CPU_memTempMajor (5895) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CPU	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Memory temperature Major		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-101 CPU\_presenceAssert

Alarm	Attributes	Applicable major releases
Name: CPU_presenceAssert (5896) Type: physicalViolation (91) Package: femto Raised on class: femto.CPU	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Presence assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-102 CPU\_presenceDeassert

Alarm	Attributes	Applicable major releases
Name: CPU_presenceDeassert (5897) Type: physicalViolation (91) Package: femto Raised on class: femto.CPU	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Presence de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-103 CPU\_tempCritical

Alarm	Attributes	Applicable major releases
Name: CPU_tempCritical (5898) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CPU	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Temperature Critical		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-104 CPU\_tempMajor

Alarm	Attributes	Applicable major releases
Name: CPU_tempMajor (5899) Type: equipmentAlarm (3) Package: femto Raised on class: femto.CPU	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Temperature Major		
<b>Remedial action:</b> See the nodal documentation for more information.		

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**Table 25-105 CPUInfo\_configErrorAssert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_configErrorAssert (5884) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: critical Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Configuration error assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-106 CPUInfo\_configErrorDeassert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_configErrorDeassert (5885) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Configuration error de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-107 CPUInfo\_disabledAssert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_disabledAssert (5886) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Disabled assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-108 CPUInfo\_disabledDeassert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_disabledDeassert (5887) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Disabled de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-109 CPUInfo\_iERRAssert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_iERRAssert (5888) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: critical Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> IERR assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-110 CPUInfo\_iERRDeassert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_iERRDeassert (5889) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> IERR de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-111 CPUInfo\_presenceAssert**

Alarm	Attributes	Applicable major releases
Name: CPUInfo_presenceAssert (5890) Type: physicalViolation (91) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Presence assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-112 CPUInfo\_presenceDeassert

Alarm	Attributes	Applicable major releases
Name: CPUInfo_presenceDeassert (5891) Type: physicalViolation (91) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Presence de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-113 CPUInfo\_thermalTripAssert

Alarm	Attributes	Applicable major releases
Name: CPUInfo_thermalTripAssert (5893) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Thermal trip assert		
<b>Remedial action:</b> Check the cooling system to ensure, that proper cooling for the processor is in place. Check whether the processor is properly secured in its slot. Reboot the system after verifying and correcting issues identified in steps 1 and 2.		

Table 25-114 CPUInfo\_thermalTripDeassert

Alarm	Attributes	Applicable major releases
Name: CPUInfo_thermalTripDeassert (5894) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Thermal trip de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-115 CsRegion\_invalidSuperLacOverlap**

Alarm	Attributes	Applicable major releases
Name: CsRegion_invalidSuperLacOverlap (5900) Type: integrityViolation (85) Package: femto Raised on class: femto.CsRegion	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Incorrect configuration for superLAC values which have different superLACs for overlapping regions.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-116 DimmSlot\_deviceInstalledAssert**

Alarm	Attributes	Applicable major releases
Name: DimmSlot_deviceInstalledAssert (5903) Type: equipmentAlarm (3) Package: femto Raised on class: femto.DimmSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Device installed assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-117 DimmSlot\_disabledAssert**

Alarm	Attributes	Applicable major releases
Name: DimmSlot_disabledAssert (5904) Type: equipmentAlarm (3) Package: femto Raised on class: femto.DimmSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Disabled assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-118 DimmSlot\_faultStatusAssert**

Alarm	Attributes	Applicable major releases
Name: DimmSlot_faultStatusAssert (5905) Type: equipmentAlarm (3) Package: femto Raised on class: femto.DimmSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> Fault status assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-119 DimmSlot\_sparingAssert

Alarm	Attributes	Applicable major releases
Name: DimmSlot_sparingAssert (5906) Type: equipmentAlarm (3) Package: femto Raised on class: femto.DimmSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Sparing assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-120 DNS\_dnsServerDownNode1

Alarm	Attributes	Applicable major releases
Name: DNS_dnsServerDownNode1 (5901) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.DNS	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the DNS server within SCGW hardware Node1 is out of service.		
<b>Remedial action:</b> Enter the command <code>ps -ef   grep</code> to verify whether the DNS service is running on the BSR Gateway server. The alarm is manually cleared from the OAM system.		

Table 25-121 DNS\_dnsServerDownNode2

Alarm	Attributes	Applicable major releases
Name: DNS_dnsServerDownNode2 (5902) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.DNS	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the DNS server within SCGW hardware Node2 is out of service.		
<b>Remedial action:</b> Enter the command <code>ps -ef   grep</code> to verify whether the DNS service is running on the BSR Gateway server. The alarm is manually cleared from the OAM system.		

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Table 25-122 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 25-123 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 25-124 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		



Table 25-125 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 25-126 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 25-127 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 25-128 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 25-129 EthernetIntf\_interfaceActive

Alarm	Attributes	Applicable major releases
Name: EthernetIntf_interfaceActive (5907) Type: communicationsAlarm (4) Package: femto Raised on class: femto.EthernetIntf	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the EthernetIntf interface is up		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-130 EthernetIntf\_interfaceFailure

Alarm	Attributes	Applicable major releases
Name: EthernetIntf_interfaceFailure (5908) Type: equipmentAlarm (3) Package: femto Raised on class: femto.EthernetIntf	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when a EthernetIntf interface failure occurs		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-131 EthernetPort\_cardFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPort_cardFailure (5909) Type: equipmentAlarm (3) Package: femto Raised on class: femto.EthernetPort	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when EthernetPort card failure occurs		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-132 EthernetPort\_interfaceActive

Alarm	Attributes	Applicable major releases
Name: EthernetPort_interfaceActive (5910) Type: communicationsAlarm (4) Package: femto Raised on class: femto.EthernetPort	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when EthernetPort interface is up		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-133 ExternalEthernetIntfPort\_interfaceActive

Alarm	Attributes	Applicable major releases
Name: ExternalEthernetIntfPort_interfaceActive (5911) Type: communicationsAlarm (4) Package: femto Raised on class: femto.ExternalEthernetIntfPort	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the EthernetIntf interface is up		
<b>Remedial action:</b> The operator must do a manual clearance.		

**Table 25-134 ExternalEthernetIntfPort\_interfaceFailure**

Alarm	Attributes	Applicable major releases
Name: ExternalEthernetIntfPort_interfaceFailure (5912) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ExternalEthernetIntfPort	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when a EthernetIntf interface failure occurs		
<b>Remedial action:</b> The operator must do a manual clearance.		

**Table 25-135 FGW\_aclViolation**

Alarm	Attributes	Applicable major releases
Name: FGW_aclViolation (5913) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: unauthorizedAccessAttempt (800)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected a UE trying to get access to the network through a restricted closed access BSR even if the IMSI of the user is not listed in the ACL of the BSR.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-136 FGW\_activeFGWOAMPortFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_activeFGWOAMPortFailure (5914) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is reported to indicate that 1G port that is being used by SCGW OAM function has failed and SCGW shall start using other port for OAM function		
<b>Remedial action:</b> Investigate the cause of the 1G port failure.		

Table 25-137 FGW\_agpsServiceUnavailable

Alarm	Attributes	Applicable major releases
Name: FGW_agpsServiceUnavailable (5915) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised if the Assisted GPS Service is unavailable		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-138 FGW\_automaticFailoverInitiatedByActiveNode

Alarm	Attributes	Applicable major releases
Name: FGW_automaticFailoverInitiatedByActiveNode (5916) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated whenever a failover is initiated by the active node due to the detection of a failure within the node,		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-139 FGW\_automaticFailoverInitiatedByStandbyNode

Alarm	Attributes	Applicable major releases
Name: FGW_automaticFailoverInitiatedByStandbyNode (5917) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated whenever a failover is initiated by the standby node due to the detection of a failure within the node,		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-140 FGW\_availabilityTargetAchieved**

Alarm	Attributes	Applicable major releases
Name: FGW_availabilityTargetAchieved (5918) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated following a failover when the the newly-active node has bound the floating IP address(es) for FAP connection, and it has sent out the 'Notify Connection Status (Active)' message to all femtos which have SCTP associations to the fixed IP address.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-141 FGW\_baseboardControllerFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_baseboardControllerFailure (5919) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised if the IPMI driver fails to start because it cannot communicate with the controller.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-142 FGW\_bsrDataFileDownloadFailed**

Alarm	Attributes	Applicable major releases
Name: FGW_bsrDataFileDownloadFailed (5920) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW has failed to download a BSR Data file from the OAM system		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-143 FGW\_bsrDataFileInvalid

Alarm	Attributes	Applicable major releases
Name: FGW_bsrDataFileInvalid (5921) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW has detected that the format of the BSR Data File has an invalid XML format		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-144 FGW\_bsrDataLost

Alarm	Attributes	Applicable major releases
Name: FGW_bsrDataLost (5922) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW has determined a failure has occurred with the complete BSR data held on the SCGW		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-145 FGW\_bsrDataNonExistingBSR

Alarm	Attributes	Applicable major releases
Name: FGW_bsrDataNonExistingBSR (5923) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW has detected that there changes requested in the BSR Data file relating to a non existing BSR record.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-146 FGW\_bsrDataQueueFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_bsrDataQueueFailure (5924) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW has received a actBSRData request from the OAM system and it still has a maximum number of previous requests being queued		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-147 FGW\_bsrIdClash**

Alarm	Attributes	Applicable major releases
Name: FGW_bsrIdClash (5925) Type: operationalViolation (93) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected that another BSR tries to register with a BSR-Id already used by another BSR.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-148 FGW\_bsrIntegrityCheckFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_bsrIntegrityCheckFailure (5926) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated on receipt of a BSR Registration message from the BSR and the 'Registration Reason' IE is present and has the value 'Integrity Protection Failed'		
<b>Remedial action:</b> See the nodal documentation for more information.		



Table 25-149 FGW\_bsrIntegrityViolation

Alarm	Attributes	Applicable major releases
Name: FGW_bsrIntegrityViolation (5927) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: authenticationFailure (786)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected a mismatch between the registration parameters received from the BSR and the provisioned BSR parameters. At least one of the following parameters might have been manipulated: - BSR-Id, - Group-Id, - Access mode		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-150 FGW\_cellIdClash

Alarm	Attributes	Applicable major releases
Name: FGW_cellIdClash (5928) Type: operationalViolation (93) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected that another BSR tries to register with a Cell Id already used by another BSR.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-151 FGW\_cpuOverloadMaximumThreshold

Alarm	Attributes	Applicable major releases
Name: FGW_cpuOverloadMaximumThreshold (5929) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: outOfMemory (142)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the SCGW has detected that the maximum CPU overload threshold has been exceeded		
<b>Remedial action:</b> This alarm is cleared when the overload threshold value falls below minimum. That is, the memory/cpu utilization comes to normal overload or below the minimum threshold. The %CPU column of the top command can be used to check the CPU utilization.		

**Table 25-152 FGW\_cpuOverloadMinimumThreshold**

Alarm	Attributes	Applicable major releases
Name: FGW_cpuOverloadMinimumThreshold (5930) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the SCGW has detected that the minimum CPU overload threshold has been exceeded		
<b>Remedial action:</b> This alarm is cleared when either the measured load falls below the minimum threshold or rises above the maximum threshold. The %CPU column of the top command can be used to check the CPU utilization.		

**Table 25-153 FGW\_failedCreatingDynamicTransport**

Alarm	Attributes	Applicable major releases
Name: FGW_failedCreatingDynamicTransport (5931) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when dynamic creation of TCP transport fails.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-154 FGW\_femtoMsgRateExceeded**

Alarm	Attributes	Applicable major releases
Name: FGW_femtoMsgRateExceeded (5932) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: retransmissionRateExcessive (717)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The message rate from a femto has been exceeded, resulting in dropped messages. This indicates a serious software flaw or a hacked femto.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-155 FGW\_fgw10GPortFailureAtNonResilientState

Alarm	Attributes	Applicable major releases
Name: FGW_fgw10GPortFailureAtNonResilientState (5933) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated to report failure of 10G port on BONO when the redundancy state of the system is Active_NonResilient, which means that there is a 10G port failure at a state where the other 10G port is already unavailable		
<b>Remedial action:</b> Investigate the cause of the 10G port alarm.		

Table 25-156 FGW\_fgwActiveNonResilient

Alarm	Attributes	Applicable major releases
Name: FGW_fgwActiveNonResilient (5934) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated to report failure of 10G port on BONO OR failure of MALBAN when the redundancy state of the system is Active, which means that Active system has lost the redundant path and has become non-resilient		
<b>Remedial action:</b> Investigate the cause of the 10G port alarm.		

Table 25-157 FGW\_fgwActiveNotResponding

Alarm	Attributes	Applicable major releases
Name: FGW_fgwActiveNotResponding (5935) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is reported to indicate that standby detected a fault with Active and a failover is being triggered		
<b>Remedial action:</b> Verify the switch to standby has happened successfullyInvestigate the cause of the problem with the active system.		

**Table 25-158 FGW\_fgwNodeIsolated**

Alarm	Attributes	Applicable major releases
Name: FGW_fgwNodeIsolated (5936) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW Node gets isolated from Central Router and mate SCGW-Node		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-159 FGW\_fgwNodeStateChangeActiveToStandby**

Alarm	Attributes	Applicable major releases
Name: FGW_fgwNodeStateChangeActiveToStandby (5937) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when SCGW Node status changes from Active to Standby		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-160 FGW\_fgwNodeStateChangeStandbyToActive**

Alarm	Attributes	Applicable major releases
Name: FGW_fgwNodeStateChangeStandbyToActive (5938) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when SCGW Node status changes from Standby to Active		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-161 FGW\_fgwStandbyNonResilient

Alarm	Attributes	Applicable major releases
Name: FGW_fgwStandbyNonResilient (5939) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated to report failure of 10G port on BONO OR failure of MALBAN when the redundancy state of the system is Standby, which means thatStandby system has lost the redundant path and has become non-resilient		
<b>Remedial action:</b> Investigate the cause of the 10G port alarm.		

Table 25-162 FGW\_fgwStandbyNotResponding

Alarm	Attributes	Applicable major releases
Name: FGW_fgwStandbyNotResponding (5940) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is reported to indicate that Active detected a fault with Standby . This fault indicates that FGW is running in simplex mode		
<b>Remedial action:</b> Check that the standby node is running and that there is connectivity between the active and standby nodes.		

Table 25-163 FGW\_fgwStandbyUnavailable

Alarm	Attributes	Applicable major releases
Name: FGW_fgwStandbyUnavailable (5941) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm indicates that SCGW standby node is not available		
<b>Remedial action:</b> Investigate the cause of the standby system becoming unavailable.		

**Table 25-164 FGW\_fgwToCentralRouterConnectionFailed**

Alarm	Attributes	Applicable major releases
Name: FGW_fgwToCentralRouterConnectionFailed (5942) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when connection between SCGW and Central Router fails		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-165 FGW\_fmsHardResetInitiated**

Alarm	Attributes	Applicable major releases
Name: FGW_fmsHardResetInitiated (5943) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when hard reset is initiated in SCGW when it receives a hard reset request from the OAM system		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-166 FGW\_fmsSoftResetInitiated**

Alarm	Attributes	Applicable major releases
Name: FGW_fmsSoftResetInitiated (5944) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when soft reset is initiated in SCGW when it receives a soft reset request from the OAM system		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-167 FGW\_hnbSecurityViolation

Alarm	Attributes	Applicable major releases
Name: FGW_hnbSecurityViolation (5945) Type: operationalViolation (93) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW has detected that a BSR is trying to send HNBAP or RUA messages with 'UE Context Id' that is registered by another BSR.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-168 FGW\_incorrectIPAddress

Alarm	Attributes	Applicable major releases
Name: FGW_incorrectIPAddress (5946) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when BSR tries to connect to SCGW on a specific IP address and fails.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-169 FGW\_initialisationInProgress

Alarm	Attributes	Applicable major releases
Name: FGW_initialisationInProgress (5947) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This event is triggered when the system starts initializing itself after reset		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-170 FGW\_initializeAcceptorFail**

Alarm	Attributes	Applicable major releases
Name: FGW_initializeAcceptorFail (5948) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when IP Address entry in SCGW configuration is wrongly configured.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-171 FGW\_invalidDownloadedConfiguration**

Alarm	Attributes	Applicable major releases
Name: FGW_invalidDownloadedConfiguration (5949) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the downloaded configuration is not valid. The gateway will revert to its previous configuration		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-172 FGW\_invalidluflexConfiguration**

Alarm	Attributes	Applicable major releases
Name: FGW_invalidluflexConfiguration (5950) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when inconsistent/missing configuration data is detected for luflex NNSF function		
<b>Remedial action:</b> See the nodal documentation for more information.		



Table 25-173 FGW\_lag1ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag1ExceededSeventyPercent (5951) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG1 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-174 FGW\_lag1TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag1TrafficImbalance (5952) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG1 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-175 FGW\_lag2ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag2ExceededSeventyPercent (5953) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG2 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-176 FGW\_lag2TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag2TrafficImbalance (5954) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG2 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-177 FGW\_lag3ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag3ExceededSeventyPercent (5955) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG3 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-178 FGW\_lag3TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag3TrafficImbalance (5956) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG3 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-179 FGW\_lag4ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag4ExceededSeventyPercent (5957) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG4 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-180 FGW\_lag4TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag4TrafficImbalance (5958) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG4 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-181 FGW\_lag5ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag5ExceededSeventyPercent (5959) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG5 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-182 FGW\_lag5TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag5TrafficImbalance (5960) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG5 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-183 FGW\_lag6ExceededSeventyPercent

Alarm	Attributes	Applicable major releases
Name: FGW_lag6ExceededSeventyPercent (5961) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised whenever the traffic carried on LAG6 of the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-184 FGW\_lag6TrafficImbalance

Alarm	Attributes	Applicable major releases
Name: FGW_lag6TrafficImbalance (5962) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever there is a traffic imbalance on the LAG6 ports of the RTM unit		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-185 FGW\_malbanConnectionFailure

Alarm	Attributes	Applicable major releases
Name: FGW_malbanConnectionFailure (5963) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Malban connection failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-186 FGW\_malbanVlanCreationFailure

Alarm	Attributes	Applicable major releases
Name: FGW_malbanVlanCreationFailure (5964) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Malban VLAN creation failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-187 FGW\_manualFailoverInitiatedByActiveNode

Alarm	Attributes	Applicable major releases
Name: FGW_manualFailoverInitiatedByActiveNode (5965) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated whenever a failover is manually initiated on the active node,		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-188 FGW\_manualFailoverInitiatedByStandbyNode

Alarm	Attributes	Applicable major releases
Name: FGW_manualFailoverInitiatedByStandbyNode (5966) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated whenever a failover is manually initiated on the standby node,		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-189 FGW\_maximumImsiListThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: FGW_maximumImsiListThresholdExceeded (5967) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of IMSIs in the ACL lists defined on the SCGW has exceeded the maximum threshold defined by attribute FGW::maximumImsiList		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-190 FGW\_memoryOverloadMaximumThreshold**

Alarm	Attributes	Applicable major releases
Name: FGW_memoryOverloadMaximumThreshold (5968) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: outOfMemory (142)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the SCGW has detected that the maximum memory overload threshold has been exceeded		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-191 FGW\_memoryOverloadMinimumThreshold**

Alarm	Attributes	Applicable major releases
Name: FGW_memoryOverloadMinimumThreshold (5969) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the SCGW has detected that the minimum memory overload threshold has been exceeded		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-192 FGW\_minimumImsiListThresholdExceeded**

Alarm	Attributes	Applicable major releases
Name: FGW_minimumImsiListThresholdExceeded (5970) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The number of IMSIs in the ACL lists defined on the SCGW has exceeded the minimum threshold defined by attribute FGW::minimumIMSiList		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-193 FGW\_monProcessRestart

Alarm	Attributes	Applicable major releases
Name: FGW_monProcessRestart (5971) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW MON forces a process restart.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-194 FGW\_nLLInvalidFileFormat

Alarm	Attributes	Applicable major releases
Name: FGW_nLLInvalidFileFormat (5972) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated if the SCGW detects invalid data in the NLL file		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-195 FGW\_nLLmultipleFileInDownloadDir

Alarm	Attributes	Applicable major releases
Name: FGW_nLLmultipleFileInDownloadDir (5973) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: fileError (700)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated whenever multiple files have been detected in the NLL download directory on the SCGW		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-196 FGW\_noHeartbeatResponseFromActiveNode**

Alarm	Attributes	Applicable major releases
Name: FGW_noHeartbeatResponseFromActiveNode (5974) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated each time the standby node fails to receive a heartbeat response from the active node within the configured time period,		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-197 FGW\_percentageNodesRecovered100**

Alarm	Attributes	Applicable major releases
Name: FGW_percentageNodesRecovered100 (5975) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated following a failover in a Redundant Active/Warm Standby configuration, when 100% of small cells have successfully reregistered, compared to the number of standby SCTP associations at the point of failover.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-198 FGW\_percentageNodesRecovered70**

Alarm	Attributes	Applicable major releases
Name: FGW_percentageNodesRecovered70 (5976) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated following a failover in a Redundant Active/Warm Standby configuration, when 70% of small cells have successfully reregistered, compared to the number of standby SCTP associations at the point of failover.		
<b>Remedial action:</b> See the nodal documentation for more information.		



Table 25-199 FGW\_percentageNodesRecovered80

Alarm	Attributes	Applicable major releases
Name: FGW_percentageNodesRecovered80 (5977) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated following a failover in a Redundant Active/Warm Standby configuration, when 80% of small cells have successfully reregistered, compared to the number of standby SCTP associations at the point of failover.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-200 FGW\_percentageNodesRecovered90

Alarm	Attributes	Applicable major releases
Name: FGW_percentageNodesRecovered90 (5978) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated following a failover in a Redundant Active/Warm Standby configuration, when 90% of small cells have successfully reregistered, compared to the number of standby SCTP associations at the point of failover.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-201 FGW\_presenceEventInconsistent

Alarm	Attributes	Applicable major releases
Name: FGW_presenceEventInconsistent (5979) Type: integrityViolation (85) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The Presence Event Indication from the BSR has either the IMSI applicability bit set to 0 and no IMSI included, or the IMSI applicability bit set to 1 and an IMSI included		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-202 FGW\_presenceNotActive**

Alarm	Attributes	Applicable major releases
Name: FGW_presenceNotActive (5980) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW receives a BSGAP 'UE Presence Event Indication' from the FemtoBSR when the 'activatePresenceAPI' is set to false.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-203 FGW\_resetSuccessful**

Alarm	Attributes	Applicable major releases
Name: FGW_resetSuccessful (5982) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This event is triggered when the system is fully operational after reset		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-204 FGW\_rtmConnectionFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_rtmConnectionFailure (5983) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> RTM connection failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-205 FGW\_rTMLinkExceededSeventyPercent**

Alarm	Attributes	Applicable major releases
Name: FGW_rTMLinkExceededSeventyPercent (5981) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the traffic carried on the link between the Malban unit and the RTM unit exceeds 70 percent of maximum capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-206 FGW\_shelfManagerConnectionFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_shelfManagerConnectionFailure (5984) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Shelf manager connection failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-207 FGW\_shelfManagerConnectionUp**

Alarm	Attributes	Applicable major releases
Name: FGW_shelfManagerConnectionUp (5985) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Shelf manager connection up		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-208 FGW\_strmgrRedirectPDUDecodeFailed**

Alarm	Attributes	Applicable major releases
Name: FGW_strmgrRedirectPDUDecodeFailed (5986) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated whenever the SCGW has detected a failure to decode a Redirect PDU for Femto to Femto Handover		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-209 FGW\_switchOver**

Alarm	Attributes	Applicable major releases
Name: FGW_switchOver (5987) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when switchover of SCGW Node happens at Central router		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-210 FGW\_sysHardResetInitiated**

Alarm	Attributes	Applicable major releases
Name: FGW_sysHardResetInitiated (5988) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when hard reset is initiated in SCGW when it automatically resets due to system failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-211 FGW\_sysSoftResetInitiated**

Alarm	Attributes	Applicable major releases
Name: FGW_sysSoftResetInitiated (5989) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is triggered when soft reset is initiated in SCGW when it resets due to system failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-212 FGW\_violationBufferOverflow**

Alarm	Attributes	Applicable major releases
Name: FGW_violationBufferOverflow (5990) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is generated when the SCGW buffer used to store acIViolation, bsrIntegrity and bsrIdClash alarms is exceeded.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-213 FGW\_vlanCreationFailure**

Alarm	Attributes	Applicable major releases
Name: FGW_vlanCreationFailure (5991) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> VLAN creation failure		
<b>Remedial action:</b> See the nodal documentation for more information.		

## 25 – Alcatel-Lucent 9966 SC GW alarms

Table 25-214 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 25-215 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 25-216 GenericNatProxy\_genericNATproxyServiceFailure

Alarm	Attributes	Applicable major releases
Name: GenericNatProxy_genericNATproxyServiceFailure (5999) Type: communicationsAlarm (4) Package: femto Raised on class: femto.GenericNatProxy	Severity: major Implicitly cleared: true Default probable cause: unavailable (618)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised if the DNS resolution of an FQDN configured in GenericNatProxy::serverAddress fails. The alarm is cleared when the DNS resolution of the FQDN succeeds		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-217 HardDisk\_diskUsageNearingCapacity

Alarm	Attributes	Applicable major releases
Name: HardDisk_diskUsageNearingCapacity (6002) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HardDisk	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the disk usage has exceeded seventy percent of available capacity. The alarm is automatically cleared whenever disk usage is reduced below thirty percent of available capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-218 HardDiskSlot\_diskUsageNearingCapacity

Alarm	Attributes	Applicable major releases
Name: HardDiskSlot_diskUsageNearingCapacity (6001) Type: equipmentAlarm (3) Package: femto Raised on class: femto.HardDiskSlot	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised whenever the disk usage has exceeded seventy percent of available capacity. The alarm is automatically cleared whenever disk usage is reduced below thirty percent of available capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-219 HeNBMasterCP\_rangeOfStreamsFromHeNBNotSupported

Alarm	Attributes	Applicable major releases
Name: HeNBMasterCP_rangeOfStreamsFromHeNBNotSupported (6003) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HeNBMasterCP	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates a mismatch between the number of input & output streams configured on the gateway and the number of input & output streams received from HeNB during SCTP INIT negotiation HeNB ID shall be mentioned in the alarm description so that operator can identify the HeNB. This alarm can be used for Small Cells Monitoring (Service Monitoring) feature		
<b>Remedial action:</b> Check the configuration for the number of input and output streams supported by the HeNB. The number of input and output streams are expected to be equal and to have identifiers in the range [0..511].		

## 25 – Alcatel-Lucent 9966 SC GW alarms

Table 25-220 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 25-221 IPSP\_aspDown

Alarm	Attributes	Applicable major releases
Name: IPSP_aspDown (6004) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Notification to inform the application that SCGW's IPSP instance for CS and PS connections is now down		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-222 IPSP\_aspInactive

Alarm	Attributes	Applicable major releases
Name: IPSP_aspInactive (6005) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Notification to inform the application that the SCGW's IPSP instance has become inactive		
<b>Remedial action:</b> See the nodal documentation for more information.		



Table 25-223 IPSP\_ICM\_EVENT\_BND\_FAIL

Alarm	Attributes	Applicable major releases
Name: IPSP_ICM_EVENT_BND_FAIL (6006) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Generated if the bind procedure with the lower layer fails. The bind procedure can fail either due to the absence of bind confirm, or if there is a negative bind confirm from the lower layer.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-224 IPSP\_IIT\_EVENT\_ESTABLISH\_FAIL

Alarm	Attributes	Applicable major releases
Name: IPSP_IIT_EVENT_ESTABLISH_FAIL (6007) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Generated if association establishment fails. If it is an association to a remote SG, the SG ID is given by s.sgld. If it is an association to a remote ASP, the ASP ID is given by s.aspld.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-225 IPSP\_IIT\_EVENT\_SCT\_COMM\_DOWN

Alarm	Attributes	Applicable major releases
Name: IPSP_IIT_EVENT_SCT_COMM_DOWN (6008) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Generated when an the SCTP service provider indicates that an association has lost communications		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-226 IPSP\_IIT\_EVENT\_TERM\_IND

Alarm	Attributes	Applicable major releases
Name: IPSP_IIT_EVENT_TERM_IND (6009) Type: communicationsAlarm (4) Package: femto Raised on class: femto.IPSP	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Generated when a termination indication is received from the SCTP service provider		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-227 luBC\_cellBroadcastCenterFailure

Alarm	Attributes	Applicable major releases
Name: luBC_cellBroadcastCenterFailure (6019) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luBC	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Communication with the Cell Broadcast Center has been lost.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-228 luBC\_cellBroadcastOverload

Alarm	Attributes	Applicable major releases
Name: luBC_cellBroadcastOverload (6020) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.luBC	Severity: major Implicitly cleared: true Default probable cause: resourceAtOrNearingCapacity (715)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm shall be raised when the threshold has been reached for the number of concurrent in progress SABP procedures handled by the gateway		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-229 luCS\_destinationMSCNotReachable**

Alarm	Attributes	Applicable major releases
Name: luCS_destinationMSCNotReachable (6031) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when 3G-MSC is not reachable from the SCGW		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-230 luCS\_emergencyCallfailed**

Alarm	Attributes	Applicable major releases
Name: luCS_emergencyCallfailed (6032) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW could not handle Emergency Call		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-231 luCS\_failedToSendPAGINGToBSR**

Alarm	Attributes	Applicable major releases
Name: luCS_failedToSendPAGINGToBSR (6033) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send PAGING message to BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-232 luCS\_failedToSendRelocationRequestMsgToDestBSR**

Alarm	Attributes	Applicable major releases
Name: luCS_failedToSendRelocationRequestMsgToDestBSR (6034) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW could not send Relocation Request message to the BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-233 luCS\_iuCsInterfacelInactive**

Alarm	Attributes	Applicable major releases
Name: luCS_iuCsInterfacelInactive (6035) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: critical Implicitly cleared: true Default probable cause: unavailable (618)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The luCS interface has become inactive as the number of dropped inbound messages has been exceeded. This indicates a potential locking of the luCS interface or fault at the Core Network.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-234 luCS\_noBSRConnectedToBSG**

Alarm	Attributes	Applicable major releases
Name: luCS_noBSRConnectedToBSG (6036) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to forward CL messages to BSR since no BSRs are connected		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-235 luCS\_noBSRInReceivedLAC

Alarm	Attributes	Applicable major releases
Name: luCS_noBSRInReceivedLAC (6037) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives paging message for an LAC for which no BSR is registered		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-236 luCS\_receivedMTP3PauseSPInaccessible

Alarm	Attributes	Applicable major releases
Name: luCS_receivedMTP3PauseSPInaccessible (6038) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCCP stack receives MTP3-Pause due to deactivation of link indicating remote point inaccessible.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-237 luCS\_receivedPauseForMSC

Alarm	Attributes	Applicable major releases
Name: luCS_receivedPauseForMSC (6039) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW is not able to access MSC due to failure of connection towards MSC		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-238 luCS\_remoteMTP3Unreachable**

Alarm	Attributes	Applicable major releases
Name: luCS_remoteMTP3Unreachable (6040) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> All routes to reach the MTP3 at this destination (i.e. MSC server) have failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-239 luCS\_remoteMTP3UserUnavailable**

Alarm	Attributes	Applicable major releases
Name: luCS_remoteMTP3UserUnavailable (6041) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: major Implicitly cleared: true Default probable cause: transmitFailure (723)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The user of the MTP3 (i.e. SCCP) on the peer node is not available for service		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-240 luCS\_remoteSubsystemOutOfService**

Alarm	Attributes	Applicable major releases
Name: luCS_remoteSubsystemOutOfService (6042) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.luCS	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The remote subsystem has gone out of service		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-241 luCSMGW\_remoteMTP3Unreachable**

Alarm	Attributes	Applicable major releases
Name: luCSMGW_remoteMTP3Unreachable (6021) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSMGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> All routes to reach the MTP3 at this destination (i.e. Media Gateway) have failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-242 luCSMGW\_remoteMTP3UserUnavailable

Alarm	Attributes	Applicable major releases
Name: luCSMGW_remoteMTP3UserUnavailable (6022) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSMGW	Severity: major Implicitly cleared: true Default probable cause: transmitFailure (723)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The user of the MTP3 (i.e. ALCAP/STC.1 ) on the peer node is not available for service		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-243 luCSUserplaneVCL\_aConfigFailure

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aConfigFailure (6024) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The userplane configuration is failed in ALCAP. To recover from this failure, degrow this luCSUserplaneVCL and regrow again.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-244 luCSUserplaneVCL\_aEndToEndConnectionFailure

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aEndToEndConnectionFailure (6025) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Multiple CS calls that were having bearers on this userplane has faced end to end bearer failures. This will be cleared upon a successful call establishment and teardown.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-245 luCSUserplaneVCL\_aLocallyBlockedForAdminLock**

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aLocallyBlockedForAdminLock (6026) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The userplane is locally blocked due to local admin Lock action. This will be cleared after the admin state changes to unlocked.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-246 luCSUserplaneVCL\_aLocallyBlockedForBearerFailures**

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aLocallyBlockedForBearerFailures (6027) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The userplane is locally blocked due to multiple call failures resulted due to end-to-end bearer issues. This will be cleared either after one successful call is released or upon the ALCAP trying to unblock upon a expiry		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-247 luCSUserplaneVCL\_aLocallyBlockedForUnblockCfm**

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aLocallyBlockedForUnblockCfm (6028) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The userplane is locally blocked and the unblock procedure is under progress with the peer node and waiting for Unblock Confirm. This will be cleared after successful reception of Unblock Confirm from peer.		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 25-248 luCSUserplaneVCL\_aRemotelyBlocked**

Alarm	Attributes	Applicable major releases
Name: luCSUserplaneVCL_aRemotelyBlocked (6029) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCSUserplaneVCL	Severity: major Implicitly cleared: true Default probable cause: remoteNodeTransmissionError (714)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The userplane is remotely blocked by the peer node. This will be cleared after the remote successfully unblocks the userplane.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-249 luPS\_destinationSGSNNotReachable**

Alarm	Attributes	Applicable major releases
Name: luPS_destinationSGSNNotReachable (6045) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SGSN is not reachable from the SCGW		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-250 luPS\_failedToSendPAGINGToBSR**

Alarm	Attributes	Applicable major releases
Name: luPS_failedToSendPAGINGToBSR (6046) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send PAGING message to BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-251 luPS\_failedToSendRANAPResetToBSR**

Alarm	Attributes	Applicable major releases
Name: luPS_failedToSendRANAPResetToBSR (6047) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send RANAP RESET message to BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-252 luPS\_failedToSendRelocationRequestMsgToDestBSR**

Alarm	Attributes	Applicable major releases
Name: luPS_failedToSendRelocationRequestMsgToDestBSR (6048) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW could not send Relocation Request message to the BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-253 luPS\_failedToSendResetResourceToBSR**

Alarm	Attributes	Applicable major releases
Name: luPS_failedToSendResetResourceToBSR (6049) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to send Reset Resource message to BSR		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-254 luPS\_gtpEchoFailure**

Alarm	Attributes	Applicable major releases
Name: luPS_gtpEchoFailure (6050) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> No response to repetitive GTP-U Echo Requests from BPG to SGSN for a particular active connection.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-255 luPS\_iuPsInterfacelInactive**

Alarm	Attributes	Applicable major releases
Name: luPS_iuPsInterfacelInactive (6051) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: critical Implicitly cleared: true Default probable cause: unavailable (618)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The luPS interface has become inactive as the number of dropped inbound messages has been exceeded. This indicates a potential locking of the luPS interface or fault at the Core Network.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-256 luPS\_noBSRConnectedToBSG**

Alarm	Attributes	Applicable major releases
Name: luPS_noBSRConnectedToBSG (6052) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW fails to forward CL messages to BSR since no BSRs are connected		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-257 luPS\_noBSRInReceivedRAC**

Alarm	Attributes	Applicable major releases
Name: luPS_noBSRInReceivedRAC (6053) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW receives a paging message for an RAC and no BSR is registered for that RAC		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-258 luPS\_receivedMTP3PauseSPInaccessible**

Alarm	Attributes	Applicable major releases
Name: luPS_receivedMTP3PauseSPInaccessible (6054) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCCP stack receives MTP3-Pause due to deactivation of link indicating remote point inaccessible.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-259 luPS\_receivedPauseForSGSN**

Alarm	Attributes	Applicable major releases
Name: luPS_receivedPauseForSGSN (6055) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when SCGW is not able to access SGSN due to connection failure towards SGSN		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-260 luPS\_remoteMTP3Unreachable

Alarm	Attributes	Applicable major releases
Name: luPS_remoteMTP3Unreachable (6056) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> All routes to reach the MTP3 at this destination (i.e. SGSN) have failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-261 luPS\_remoteMTP3UserUnavailable

Alarm	Attributes	Applicable major releases
Name: luPS_remoteMTP3UserUnavailable (6057) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: major Implicitly cleared: true Default probable cause: transmitFailure (723)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The user of the MTP3 (i.e. SCCP) on the peer node is not available for service		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-262 luPS\_remoteSubsystemOutOfService

Alarm	Attributes	Applicable major releases
Name: luPS_remoteSubsystemOutOfService (6058) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.luPS	Severity: critical Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The remote subsystem has gone out of service		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-263 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

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**Table 25-264 LegalReq\_legalReqFileDeliveryFailure**

Alarm	Attributes	Applicable major releases
Name: LegalReq_legalReqFileDeliveryFailure (6090) Type: communicationsAlarm (4) Package: femto Raised on class: femto.LegalReq	Severity: major Implicitly cleared: true Default probable cause: transmissionError (614)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW fails to deliver a legal requisition data file to the collection server.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-265 LicensedLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 25-266 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 25-267 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-268 MME\_rangeOfStreamsFromMMENotSupported

Alarm	Attributes	Applicable major releases
Name: MME_rangeOfStreamsFromMMENotSupported (6097) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MME	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that an unequal number of input and output streams have been received from the MME or a \$1AP message with an invalid stream id has been received		
<b>Remedial action:</b> This alarm must be manually cleared by the OAM system's user		

**Table 25-269 MME\_s1InterfaceDown**

Alarm	Attributes	Applicable major releases
Name: MME_s1InterfaceDown (6098) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MME	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the S1 Setup procedure fails towards towards the MME (i.e. No S1 Setup Response after several retries or reception of S1 Setup Failure response). This indicates the s1Interface down and no other procedure can be performed towards the MME.		
<b>Remedial action:</b> Check the status of the MME Check the communication path to the MME		

**Table 25-270 MME\_s1InterfaceInactive**

Alarm	Attributes	Applicable major releases
Name: MME_s1InterfaceInactive (6099) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MME	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that S1 link between SCGW and MME has been locked through an OAM action. This alarm gets cleared when S1 link is unlocked		
<b>Remedial action:</b> Perform an unlock operation for the S1 interface on the OAM system GUI		

**Table 25-271 MME\_s1SCTPAssociationDown**

Alarm	Attributes	Applicable major releases
Name: MME_s1SCTPAssociationDown (6100) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MME	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates SCTP assoication failure between SCGW and MME.		
<b>Remedial action:</b> Check the status of the MME Check the communication path to the MME		



Table 25-272 MMERegion\_invalidTacRegion

Alarm	Attributes	Applicable major releases
Name: MMERegion_invalidTacRegion (6095) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MMERegion	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is raised when operators configures a region with a TAC that is already used by an existing region		
<b>Remedial action:</b> Correct the region's configuration in the appropriate MMERegion object		

Table 25-273 MMERegion\_s1InterfaceFailure

Alarm	Attributes	Applicable major releases
Name: MMERegion_s1InterfaceFailure (6096) Type: communicationsAlarm (4) Package: femto Raised on class: femto.MMERegion	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> S1 Interface towards all the MME's in this MMERegion are down.		
<b>Remedial action:</b> Check the status of the MMEs Check the communication path to the MME		

Table 25-274 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

**Table 25-275 NeManagementAndTrapManagementMismatch**

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 25-276 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 25-277 NextHopHeartBeat\_fgwActiveSRLinkDown**

Alarm	Attributes	Applicable major releases
Name: NextHopHeartBeat_fgwActiveSRLinkDown (6151) Type: communicationsAlarm (4) Package: femto Raised on class: femto.NextHopHeartBeat	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is reported to indicate that SCGW Active node cannot reach one of the SRs connected to it. This alarm shall be raised for each SR failure		
<b>Remedial action:</b> Check the connection between the gateway and the service router for the active SR link		

**Table 25-278 NextHopHeartBeat\_fgwStandbySRLinkDown**

Alarm	Attributes	Applicable major releases
Name: NextHopHeartBeat_fgwStandbySRLinkDown (6152) Type: communicationsAlarm (4) Package: femto Raised on class: femto.NextHopHeartBeat	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is reported to indicate that SCGW Standby node cannot reach one of the SRs connected to it. This alarm shall be raised for each SR failure		
<b>Remedial action:</b> Check the connection between the gateway and the service router for the standby SR link		

**Table 25-279 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 25-280 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 25-281 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

**Table 25-282 OAM\_120**

Alarm	Attributes	Applicable major releases
Name: OAM_120 (6153) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Loss of OAM link between SAM and FGW.		
<b>Remedial action:</b> No particular action is required. This notification may be required by Global Product Support for debugging purposes		

Table 25-283 OAM\_121

Alarm	Attributes	Applicable major releases
Name: OAM_121 (6154) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: warning Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The OAMLinkAdministrativeState parameter (FGW object) is equal to locked.		
<b>Remedial action:</b> Find out why the OAMLinkAdministrativeState was locked in the first place. Set the OAMLinkAdministrativeState parameter (FGW object) to unlocked.		

Table 25-284 OAM\_122

Alarm	Attributes	Applicable major releases
Name: OAM_122 (6155) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The MIB number received from NE is different from the MIB number stored in the active view.		
<b>Remedial action:</b> NA		

Table 25-285 OAM\_123

Alarm	Attributes	Applicable major releases
Name: OAM_123 (6156) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The FGW ID received from NE is different from the data configured at SAM.		
<b>Remedial action:</b> Undeclare and then declare the FGW with the correct FGW ID		

**Table 25-286 OAM\_124**

Alarm	Attributes	Applicable major releases
Name: OAM_124 (6157) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FGW	Severity: major Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The FGW Cluster ID received from NE is different from the data configured at SAM.		
<b>Remedial action:</b> Undeclare and then declare the FGW with the correct FGW Cluster ID		

**Table 25-287 OAM\_223**

Alarm	Attributes	Applicable major releases
Name: OAM_223 (6164) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FGW	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> PM File retrieval failed for the NE.		
<b>Remedial action:</b> Check the communication link between PM Server and FileServer. This notification may be required by Global Product Support for debugging purposes		

**Table 25-288 OrphanNodeDetected**

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 25-289 OverloadedCard

Alarm	Attributes	Applicable major releases
Name: OverloadedCard (2941) Type: cardAlarm (100) Package: equipment Raised on class: equipment.AtcaCard	Severity: variable Implicitly cleared: true Default probable cause: overloadedCard (1132)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when an ATCA card becomes overloaded.		
<b>Raising condition:</b> (('Overload State' EQUAL 'Critical') OR ('Overload State' EQUAL 'Resource Critical'))		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Investigate /opt/tpa/logs/RACServer.log on the CSB to determine cause of system overload.		

Table 25-290 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 25-291 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 25-292 PCIEthernetCard\_cardFailure

Alarm	Attributes	Applicable major releases
Name: PCIEthernetCard_cardFailure (6165) Type: equipmentAlarm (3) Package: femto Raised on class: femto.PCIEthernetCard	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when PCI Ethernet card failure occurs		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-293 PCIEthernetPort\_cardFailure

Alarm	Attributes	Applicable major releases
Name: PCIEthernetPort_cardFailure (6166) Type: equipmentAlarm (3) Package: femto Raised on class: femto.PCIEthernetPort	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when a PCI Ethernet Port failure occurs		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-294 PCIEthernetPort\_interfaceActive

Alarm	Attributes	Applicable major releases
Name: PCIEthernetPort_interfaceActive (6167) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PCIEthernetPort	Severity: minor Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the PCI Ethernet Port interface is up		
<b>Remedial action:</b> See the nodal documentation for more information.		



**Table 25-295 PersistentIndexParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

**Table 25-296 PhysicalInterfaceB\_vLANInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: PhysicalInterfaceB_vLANInterfaceDown (6170) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PhysicalInterfaceB	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault indicates that VLAN is not reachable and it is not active.		
<b>Remedial action:</b> Ensure that the VLAN is properly configured on all the hops switches and routers		

**Table 25-297 PollerProblem**

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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**Table 25-298 PowerSupplySlot\_presenceDetectedAssert**

Alarm	Attributes	Applicable major releases
Name: PowerSupplySlot_presenceDetectedAssert (6175) Type: physicalViolation (91) Package: femto Raised on class: femto.PowerSupplySlot	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Presence detected assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-299 PowerSupplySlot\_presenceDetectedDeassert**

Alarm	Attributes	Applicable major releases
Name: PowerSupplySlot_presenceDetectedDeassert (6176) Type: physicalViolation (91) Package: femto Raised on class: femto.PowerSupplySlot	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Presence detected de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-300 PowerSupplySlot\_pwrSupFailuerDeassert**

Alarm	Attributes	Applicable major releases
Name: PowerSupplySlot_pwrSupFailuerDeassert (6177) Type: equipmentAlarm (3) Package: femto Raised on class: femto.PowerSupplySlot	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Predictive failure assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-301 PowerSupplySlot\_pwrSupFailureAssert

Alarm	Attributes	Applicable major releases
Name: PowerSupplySlot_pwrSupFailureAssert (6178) Type: equipmentAlarm (3) Package: femto Raised on class: femto.PowerSupplySlot	Severity: critical Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Power supply failure detected assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-302 PowerSupplySlot\_pwrSupInputLost

Alarm	Attributes	Applicable major releases
Name: PowerSupplySlot_pwrSupInputLost (6179) Type: equipmentAlarm (3) Package: femto Raised on class: femto.PowerSupplySlot	Severity: critical Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Power supply input lost assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-303 Presence\_presenceServerFailure

Alarm	Attributes	Applicable major releases
Name: Presence_presenceServerFailure (6180) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Communication with a Presence server has been lost.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-304 Presence\_publishRespBadEvent

Alarm	Attributes	Applicable major releases
Name: Presence_publishRespBadEvent (6181) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when the SCGW receives a 489 (Bad Event) response in return to a SIP PUBLISH		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-305 Presence\_publishRespInvalidReq

Alarm	Attributes	Applicable major releases
Name: Presence_publishRespInvalidReq (6182) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW receives a 400 (Invalid Request) response in return to a SIP PUBLISH		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-306 Presence\_publishRespNotFound

Alarm	Attributes	Applicable major releases
Name: Presence_publishRespNotFound (6183) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW receives a 404 (Not Found) response in return to a SIP PUBLISH		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-307 Presence\_publishRespTimeOut

Alarm	Attributes	Applicable major releases
Name: Presence_publishRespTimeOut (6184) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated if the SCGW received no response after SIP PUBLISHretransmissions are exhausted		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-308 Presence\_publishRespUnsupMediaType

Alarm	Attributes	Applicable major releases
Name: Presence_publishRespUnsupMediaType (6185) Type: communicationsAlarm (4) Package: femto Raised on class: femto.PresenceServer	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCGW receives a 415 (Unsupported Media Type) response in return to a SIP PUBLISH		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-309 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 25-310 ProcessMonitor\_processRestart

Alarm	Attributes	Applicable major releases
Name: ProcessMonitor_processRestart (6186) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.ProcessMonitor	Severity: major Implicitly cleared: true Default probable cause: operationalCondition (2441)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when this process has had an unexpected restart.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-311 ProcessMonitor\_processRestartThreshold**

Alarm	Attributes	Applicable major releases
Name: ProcessMonitor_processRestartThreshold (6187) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.ProcessMonitor	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the number of restarts counted for this process has exceeded the threshold defined by attribute restartThreshold		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-312 PsRegion\_invalidSuperLacOverlap**

Alarm	Attributes	Applicable major releases
Name: PsRegion_invalidSuperLacOverlap (6188) Type: integrityViolation (85) Package: femto Raised on class: femto.PsRegion	Severity: minor Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Incorrect configuration for superLAC values which have different superLACs for overlapping regions.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-313 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 25-314 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 25-315 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 25-316 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 25-317 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 25-318 SCTPAssociation\_sCTPCantStart

Alarm	Attributes	Applicable major releases
Name: SCTPAssociation_sCTPCantStart (6206) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPAssociation	Severity: minor Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when a peer did not respond to an association setup attempt.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-319 SCTPAssociation\_sCTPcommunicationLost

Alarm	Attributes	Applicable major releases
Name: SCTPAssociation_sCTPcommunicationLost (6208) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPAssociation	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the SCTP association is down		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-320 SCTPAssociation\_sCTPPeerAddressChange

Alarm	Attributes	Applicable major releases
Name: SCTPAssociation_sCTPPeerAddressChange (6207) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCTPAssociation	Severity: major Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This notification informs the application that one of the peer's addresses has experienced a change of state		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-321 ServerHardware\_chassisIntrusionAssert

Alarm	Attributes	Applicable major releases
Name: ServerHardware_chassisIntrusionAssert (6221) Type: physicalViolation (91) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Physical Security. Chassis intrusion assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-322 ServerHardware\_chassisIntrusionDeassert

Alarm	Attributes	Applicable major releases
Name: ServerHardware_chassisIntrusionDeassert (6222) Type: physicalViolation (91) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Physical Security. Chassis intrusion de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-323 ServerHardware\_dskRedDegraded**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedDegraded (6224) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Disk redundancy degraded assert. Redundancy still exists, but at a less than full level. This will not normally be used in the SCGW.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-324 ServerHardware\_dskRedDegradedFromFull**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedDegradedFromFull (6225) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Redundant degrade from fully redundant assert. Unit has lost some disk redundant resource(s) but is still in a redundant state. Entered by a transition from Fully Redundant condition. This will not normally be used in the SCGW.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-325 ServerHardware\_dskRedInsufficientResource**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedInsufficientResource (6226) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Non redundant insufficient resources assert. Unit is non-redundant and has insufficient power supply resources to maintain normal operation.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-326 ServerHardware\_dskRedLost

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedLost (6227) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Disk redundancy lost assert. Entered any non-redundant state, including Non-redundant: Insufficient Resources		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-327 ServerHardware\_dskRedLostFunctioning

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedLostFunctioning (6228) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Non redundant sufficient resources . Disk redundancy has been lost but unit is functioning with minimum resources needed for 'normal' operation. Entered from Redundancy Degraded or Fully Redundant.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-328 ServerHardware\_dskRedMinimumResource

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedMinimumResource (6229) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Non redundant sufficient from insufficient resources assert. Unit has regained minimum disk resources needed for 'normal' operation. Entered from Non-redundant:Insufficient Resources		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-329 ServerHardware\_dskRedNotFullyRedundant**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedNotFullyRedundant (6230) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Redundant degraded from non redundant assert. Unit has regained some disk resource(s) and is redundant but not fully redundant. Entered from Non-redundant:Sufficient Resources or Non-redundant:Insufficient Resources. This will not normally be used in the SCGW.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-330 ServerHardware\_dskRedRegained**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dskRedRegained (6231) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Fully redundant assert. Indicates that full disk redundancy has been regained.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-331 ServerHardware\_IANLostDeassert**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_IANLostDeassert (6232) Type: physicalViolation (91) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LAN leash lost de-assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-332 ServerHardware\_IANLostAssert

Alarm	Attributes	Applicable major releases
Name: ServerHardware_IANLostAssert (6233) Type: physicalViolation (91) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> LAN leash lost assert. System is unplugged from LAN		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-333 ServerHardware\_platformSecOutOfBandPswd

Alarm	Attributes	Applicable major releases
Name: ServerHardware_platformSecOutOfBandPswd (6234) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Platform Security Violation. Out-of-band access password violation assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-334 ServerHardware\_platformSecViolationAttempt

Alarm	Attributes	Applicable major releases
Name: ServerHardware_platformSecViolationAttempt (6235) Type: securityServiceOrMechanismViolation (92) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: intrusionDetection (670)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Platform Security Violation. Secure mode violation attempt assert		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-335 ServerHardware\_pwrRedDegraded**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_pwrRedDegraded (6236) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Power supply redundancy degraded assert. Redundancy still exists, but at a less than full level. For example, a system has four fans, and can tolerate the failure of two of them, and presently one has failed.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-336 ServerHardware\_pwrRedInsufficientResource**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_pwrRedInsufficientResource (6237) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Non redundant insufficient resources assert. Unit is non-redundant and has insufficient power supply resources to maintain normal operation.		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-337 ServerHardware\_pwrRedLost**

Alarm	Attributes	Applicable major releases
Name: ServerHardware_pwrRedLost (6238) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Power supply redundancy lost assert. Entered any non-redundant state, including Non-redundant: Insufficient Resources		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-338 ServerHardware\_pwrRedMinimumResource

Alarm	Attributes	Applicable major releases
Name: ServerHardware_pwrRedMinimumResource (6239) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Non redundant sufficient from insufficient resources assert. Unit has regained minimum power supply resources needed for 'normal' operation. Entered from Non-redundant:Insufficient Resources		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-339 ServerHardware\_pwrRedRegained

Alarm	Attributes	Applicable major releases
Name: ServerHardware_pwrRedRegained (6240) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Fully redundant assert. Indicates that full power supply redundancy has been regained.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-340 SS7Link\_mtp3LinkDown

Alarm	Attributes	Applicable major releases
Name: SS7Link_mtp3LinkDown (6216) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SS7Link	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> MTP3 Link is down		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-341 SS7Link\_mtp3LinkRemotelyBlocked**

Alarm	Attributes	Applicable major releases
Name: SS7Link_mtp3LinkRemotelyBlocked (6217) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SS7Link	Severity: minor Implicitly cleared: true Default probable cause: remoteNodeTransmissionError (714)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The peer node has blocked the traffic on this MTP3 link		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-342 SS7Link\_qsaalLinkCongested**

Alarm	Attributes	Applicable major releases
Name: SS7Link_qsaalLinkCongested (6218) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.SS7Link	Severity: minor Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The traffic on the SSCF-NNI link has exceeded the congestion threshold		
<b>Remedial action:</b> See the nodal documentation for more information.		

**Table 25-343 SS7LinkSet\_congestionTowardsRemoteMTP3**

Alarm	Attributes	Applicable major releases
Name: SS7LinkSet_congestionTowardsRemoteMTP3 (6214) Type: qualityOfServiceAlarm (82) Package: femto Raised on class: femto.SS7LinkSet	Severity: major Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Congestion at the MTP3 layer towards the peer node, as the traffic on the signalling link is beyond the capacity.		
<b>Remedial action:</b> See the nodal documentation for more information.		



Table 25-344 SS7LinkSet\_remoteMTP3Unreachable

Alarm	Attributes	Applicable major releases
Name: SS7LinkSet_remoteMTP3Unreachable (6215) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SS7LinkSet	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The peer node is unreachable as no MTP3 link is available in service on this interface.		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-345 SS7Stack\_sS7StackFailure

Alarm	Attributes	Applicable major releases
Name: SS7Stack_sS7StackFailure (6219) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SS7Stack	Severity: critical Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> SS7 Stack bringup failure or the SP hosting the SS7 Stack Instance is down in distributed mode		
<b>Remedial action:</b> See the nodal documentation for more information.		

Table 25-346 SS7Stack\_trilliumBuffersBelowThreshold

Alarm	Attributes	Applicable major releases
Name: SS7Stack_trilliumBuffersBelowThreshold (6220) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SS7Stack	Severity: critical Implicitly cleared: true Default probable cause: thresholdCrossed (12)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Available Trillium Buffers are below threshold		
<b>Remedial action:</b> See the nodal documentation for more information.		

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Table 25-347 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 25-348 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 25-349 SubscriberTraceConfig\_subscriberTraceRecordingSessionFailure

Alarm	Attributes	Applicable major releases
Name: SubscriberTraceConfig_subscriberTraceRecordingSessionFailure (6242) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.SubscriberTraceConfiguration	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Failure to start a trace recording session due to any problem		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> NA		

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**Table 25-350 SubscriberTraceConfig\_subscriberTraceUploadFailure**

Alarm	Attributes	Applicable major releases
Name: SubscriberTraceConfig_subscriberTraceUploadFailure (6243) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SubscriberTraceConfiguration	Severity: major Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> Failure to transferring Call Trace files even after retries		
<b>Remedial action:</b> NA		

**Table 25-351 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

**Table 25-352 TOD\_externalClockReferenceFailure**

Alarm	Attributes	Applicable major releases
Name: TOD_externalClockReferenceFailure (6244) Type: communicationsAlarm (4) Package: femto Raised on class: femto.TOD	Severity: major Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This fault is generated when an external SNTP server is configured but it is out of service. The system time is in free-running mode using the local oscillator and the operator needs to take care that the ToD value for the Femto Cluster is using the right value.		
<b>Remedial action:</b> Check the status of the external SNTP server		

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Table 25-353 TOD\_sntpServerDownNode1

Alarm	Attributes	Applicable major releases
Name: TOD_sntpServerDownNode1 (6245) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.TOD	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the ToD server within SCGW Node1 is out of service.		
<b>Remedial action:</b> Enter the command <code>ps -ef   grep</code> to verify whether the SNTP service is running on the Gateway server.		

Table 25-354 TOD\_sntpServerDownNode2

Alarm	Attributes	Applicable major releases
Name: TOD_sntpServerDownNode2 (6246) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.TOD	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This fault is generated when the ToD server within SCGW Node2 is out of service.		
<b>Remedial action:</b> Enter the command <code>ps -ef   grep</code> to verify whether the SNTP service is running on the Gateway server.		

Table 25-355 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 25-356 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 25-357 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 25-358 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 25-359 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 25-360 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 25-361 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 25-362 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 25-363 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>LR14.2SC</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL \"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL \"TiMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		



## 26 — Alcatel-Lucent 9xxx eNodeB alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter [39](#) for information about the alarm.

**Table 26-1 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

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Table 26-2 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 26-3 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 26-4 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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**Table 26-5 BootableConfigBackupFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 26-6 BootableConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 26-7 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 26-8 BscAccessAdminDown - BSC Access LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: BscAccessAdminDown (4629) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BscAccess	Severity: warning Specific problem: BSC Access LOCKED BY OPERATOR (1864) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a BSC Access Administrative State is down.		
<b>Raising condition:</b> (('administrativeState' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-9 BsCommunicationStateOffline

Alarm	Attributes	Applicable major releases
Name: BsCommunicationStateOffline (1264) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: bsCommunicationOffline (904)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised when the BS Communication State goes 'offline'. While BS communication state is 'offline' none of the SNMP properties can be set.		
<b>Raising condition:</b> (('bsCommunicationState' NOT EQUAL 'omcManaged'))		
<b>Clearing condition:</b> (('bsCommunicationState' EQUAL 'omcManaged'))		
<b>Remedial action:</b> Will come back online when the NEM session is closed.		

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Table 26-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 26-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 26-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 26-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 26-14 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 26-15 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-16 ENBEquipmentAdminDown - ENBEquipment LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: ENBEquipmentAdminDown (1359) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: ENBEquipment LOCKED BY OPERATOR (1865) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB Equipment Administrative State is down.		
<b>Raising condition:</b> (('administrativeState' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-17 ENBEquipmentDegradedOrFaulty - ENBEquipment DEGRADED OR FAULTY

Alarm	Attributes	Applicable major releases
Name: ENBEquipmentDegradedOrFaulty (7961) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ENBEquipment DEGRADED OR FAULTY (1866) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB Equipment is not fully available.		
<b>Raising condition:</b> (('availabilityStatus'anyBit'Faulty') OR ('availabilityStatus'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (('availabilityStatus'anyBit'Faulty') OR ('availabilityStatus'anyBit'Degraded'))		
<b>Remedial action:</b> The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 26-18 ENBEquipmentDown - ENBEquipment DOWN

Alarm	Attributes	Applicable major releases
Name: ENBEquipmentDown (1360) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ENBEquipment DOWN (1867) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB Equipment is operationally down.		
<b>Raising condition:</b> (('operationalState' NOT EQUAL 'Enabled') AND ('administrativeState' EQUAL 'Unlocked') AND (('availabilityStatus'anyBit'Failed') OR ('availabilityStatus'anyBit'Dependency')))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Locked') OR ('operationalState' EQUAL 'Enabled') OR NOT (('availabilityStatus'anyBit'Failed') OR ('availabilityStatus'anyBit'Dependency')))		
<b>Remedial action:</b> The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 26-19 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 26-20 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 26-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 26-22 EquipmentInTest**

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 26-23 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 26-24 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 26-25 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 26-26 FRUAdminDown - FRU LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: FRUAdminDown (2919) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: warning Specific problem: FRU LOCKED BY OPERATOR (1868) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB FRU Administrative State is down		
<b>Raising condition:</b> (('Administrative State' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('Administrative State' NOT EQUAL 'Locked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-27 FRUDegradedOrFaulty - FRU DEGRADED OR FAULTY

Alarm	Attributes	Applicable major releases
Name: FRUDegradedOrFaulty (7962) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: major Specific problem: FRU DEGRADED OR FAULTY (1869) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB FRU is not fully available.		
<b>Raising condition:</b> (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (((('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))))		
<b>Remedial action:</b> The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

**Table 26-28 FRUDown - FRU DOWN**

Alarm	Attributes	Applicable major releases
Name: FRUDown (2920) Type: equipmentAlarm (3) Package: lte Raised on class: lte.FRU	Severity: critical Specific problem: FRU DOWN (1870) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an ENB FRU is operationally down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled') AND ('Administrative State' EQUAL 'Unlocked') AND (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency')))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Locked') OR ('Operational State' EQUAL 'Enabled') OR NOT (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency')))		
<b>Remedial action:</b> The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

**Table 26-29 GaPeerDown**

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: lteGgsn Raised on class: lteGgsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

**Table 26-30 IK4001001 - TMA UNREADABLE MANUFACTURER DATA**

Alarm	Attributes	Applicable major releases
Name: IK4001001 (2122) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA UNREADABLE MANUFACTURER DATA (2) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to read the TMA manufacturer data record.		
<b>Impact:</b> The TMA may not provide RF gain		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the TMA or the AISG communication bus		

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Table 26-31 IK4001002 - TMA ALARM MINOR SUB1

Alarm	Attributes	Applicable major releases
Name: IK4001002 (2123) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB1 (3) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-32 IK4001003 - TMA ALARM MINOR SUB2

Alarm	Attributes	Applicable major releases
Name: IK4001003 (2124) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB2 (4) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-33 IK4001004 - TMA ALARM MINOR SUB3

Alarm	Attributes	Applicable major releases
Name: IK4001004 (2125) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB3 (5) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

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**Table 26-34 IK4001005 - TMA ALARM MINOR SUB4**

Alarm	Attributes	Applicable major releases
Name: IK4001005 (2126) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB4 (6) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

**Table 26-35 IK4001006 - TMA ALARM MINOR SUB5**

Alarm	Attributes	Applicable major releases
Name: IK4001006 (2127) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB5 (7) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

**Table 26-36 IK4001007 - TMA ALARM MINOR SUB6**

Alarm	Attributes	Applicable major releases
Name: IK4001007 (2128) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: minor Specific problem: TMA ALARM MINOR SUB6 (8) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor TMA subunit fault which reduces gain performance but maintains its function.		
<b>Impact:</b> Possible loss of Rx Gain		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

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Table 26-37 IK4001008 - TMA ALARM MAJOR SUB1

Alarm	Attributes	Applicable major releases
Name: IK4001008 (2129) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB1 (9) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-38 IK4001009 - TMA ALARM MAJOR SUB2

Alarm	Attributes	Applicable major releases
Name: IK4001009 (2130) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB2 (10) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-39 IK4001010 - TMA ALARM MAJOR SUB3

Alarm	Attributes	Applicable major releases
Name: IK4001010 (2131) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB3 (11) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

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Table 26-40 IK4001011 - TMA ALARM MAJOR SUB4

Alarm	Attributes	Applicable major releases
Name: IK4001011 (2132) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB4 (12) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-41 IK4001012 - TMA ALARM MAJOR SUB5

Alarm	Attributes	Applicable major releases
Name: IK4001012 (2133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB5 (13) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

Table 26-42 IK4001013 - TMA ALARM MAJOR SUB6

Alarm	Attributes	Applicable major releases
Name: IK4001013 (2134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: TMA ALARM MAJOR SUB6 (14) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a major TMA subunit fault which prevents its function.		
<b>Impact:</b> Loss of one Rx Path		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reset the TMA, if problem persists then replace the TMA.		

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**Table 26-43 IK4001014 - TMA ALD UNIT SUPPORT WRONG AISG VERSION**

Alarm	Attributes	Applicable major releases
Name: IK4001014 (2135) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA ALD UNIT SUPPORT WRONG AISG VERSION (15) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the ALD unit does not support AISG version 2.0.		
<b>Impact:</b> The TMA is out of service.		
<b>Remedial action:</b> Upgrade the TMA software or replace it with an AISG v2.0 unit.		

**Table 26-44 IK4001015 - TMA LOSS OF COMM**

Alarm	Attributes	Applicable major releases
Name: IK4001015 (2136) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: major Specific problem: TMA LOSS OF COMM (16) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM that acts as an AISG Controller has lost communication to the TMA unit.		
<b>Impact:</b> Loss of alarm reporting by the TMA		
<b>Remedial action:</b> Reset the AISG-host RFM, inspect and repair the AISG bus, or replace the TMA.		

**Table 26-45 IK4001016 - TMA FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4001016 (2959) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 1 (17) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified TMA fault detected		

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Alarm	Attributes	Applicable major releases
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

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Table 26-46 IK4001017 - TMA FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4001017 (2960) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 2 (18) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified TMA fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-47 IK4001018 - TMA FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4001018 (2961) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 3 (19) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified TMA fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-48 IK4001019 - TMA FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4001019 (2962) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA FAULT 4 (20) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified TMA fault detected		

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Alarm	Attributes	Applicable major releases
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

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Table 26-49 IK4001020 - TMA FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4001020 (2963) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmAIdEntry	Severity: minor Specific problem: TMA FAULT 5 (21) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified TMA fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-50 IK4001021 - TMA HW FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4001021 (2964) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmAIdEntry	Severity: major Specific problem: TMA HW FAILURE (22) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a general TMA HW failure.		
<b>Impact:</b> The TMA is out of service.		
<b>Remedial action:</b> Replace the TMA.		

Table 26-51 IK4001029 - TMA INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4001029 (3748) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmAIdEntry	Severity: major Specific problem: TMA INDETERMINATE OPERATIONAL FAILURE (24) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm indicates that a failure of the TMA has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		
<b>Remedial action:</b> If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		

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**Table 26-52 IK4001030 - TMA INITIALIZATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4001030 (3749) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: TMA INITIALIZATION FAILURE (25) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		
<b>Impact:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		
<b>Remedial action:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed TMA.		

**Table 26-53 IK4001031 - TMA INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4001031 (5192) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: major Specific problem: TMA INDETERMINATE OPERATIONAL FAILURE (24) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the TMA has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		
<b>Remedial action:</b> If the failure affects the RF portion of the TMA then the receive RF gain on the path(s) served by the TMA is reduced. If the failure affects only the AISG terminal function of the TMA then RF gain should still be active.		

Table 26-54 IK4002001 - AMR INIT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4002001 (2137) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR INIT FAILURE (26) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to initialize the RF cabinet alarm module.		
<b>Impact:</b> The RF module is out of service.		
<b>Remedial action:</b> Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

Table 26-55 IK4002002 - AMR COMM FAIL

Alarm	Attributes	Applicable major releases
Name: IK4002002 (2138) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR COMM FAIL (27) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of communication with RF cabinet Alarm Module.		
<b>Impact:</b> The RF module is out of service.		
<b>Remedial action:</b> Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

Table 26-56 IK4002003 - AMR UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major releases
Name: IK4002003 (2139) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: warning Specific problem: AMR UNREADABLE MANUFACTURER DATA (28) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the RF cabinet alarm module manufacturer data.		
<b>Impact:</b> The RF module is out of service.		
<b>Remedial action:</b> Check the cabling between TRDU and AMR. If the alarm persists, reset one or more of the TRDUs, or replace the AMR.		

**Table 26-57 IK4002004 - AMR FAN ALARM**

Alarm	Attributes	Applicable major releases
Name: IK4002004 (2140) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: major Specific problem: AMR FAN ALARM (29) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet fan is out of service.		
<b>Impact:</b> The RF cabinet components may fail due to overheating.		
<b>Remedial action:</b> Replace the fan of the RF cabinet.		

**Table 26-58 IK4002005 - AMR DOOR ALARM**

Alarm	Attributes	Applicable major releases
Name: IK4002005 (2141) Type: environmentalAlarm (2) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR DOOR ALARM (30) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet door is open.		
<b>Impact:</b> The RF cabinet equipment is accessible and easily tampered. No immediate impact on call processing.		
<b>Remedial action:</b> Close the cabinet door.		

**Table 26-59 IK4002006 - AMR OVER TEMP**

Alarm	Attributes	Applicable major releases
Name: IK4002006 (2142) Type: environmentalAlarm (2) Package: Ite Raised on class: Ite.AMR	Severity: major Specific problem: AMR OVER TEMP (31) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet temperature is above the safe operating temperature.		
<b>Impact:</b> The RF cabinet components may fail due to overheating.		
<b>Remedial action:</b> Check the cabinet for proper functioning fans and clean air filters. Check if the ambient temperature is within the recommended operating range.		

Table 26-60 IK4002007 - AMR FAF

Alarm	Attributes	Applicable major releases
Name: IK4002007 (2143) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAF (32) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet filter airflow is reduced.		
<b>Impact:</b> The RF cabinet components may fail due to overheating.		
<b>Remedial action:</b> Replace the fresh air filter.		

Table 26-61 IK4002016 - AMR FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4002016 (2966) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 1 (33) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. An unspecified AMR fault has been detected.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-62 IK4002017 - AMR FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4002017 (2967) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: minor Specific problem: AMR FAULT 2 (34) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. An unspecified AMR fault has been detected.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-63 IK4002018 - AMR FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4002018 (2968) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR FAULT 3 (35) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. An unspecified AMR fault has been detected.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-64 IK4002019 - AMR FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4002019 (2969) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR FAULT 4 (36) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. An unspecified AMR fault has been detected.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-65 IK4002020 - AMR FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4002020 (2970) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: AMR FAULT 5 (37) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. An unspecified AMR fault has been detected.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		



Table 26-66 IK4003001 - BB LOSS OF HS DATA LINK 1

Alarm	Attributes	Applicable major releases
Name: IK4003001 (5193) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 1 (38) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

Table 26-67 IK4003002 - BB LOSS OF HS DATA LINK 2

Alarm	Attributes	Applicable major releases
Name: IK4003002 (5194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 2 (39) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

Table 26-68 IK4003003 - BB INIT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4003003 (2152) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE (40) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the BB initialization failure.		
<b>Impact:</b> The BB is completely or partially affected. The service impact depends on the eNodeB configuration.		
<b>Remedial action:</b> Reset BB. Use the reset command on the SAM, or reset using the remote connection to NEM. If the alarm persists, replace BB.		

**Table 26-69 IK4003004 - BB LOSS OF HS DATA LINK 3**

Alarm	Attributes	Applicable major releases
Name: IK4003004 (5195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 3 (41) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 26-70 IK4003006 - BB INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003006 (5196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB INDETERMINATE OPERATIONAL FAILURE (42) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the modem (baseband unit) has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Cells supported by this modem may have failed.		
<b>Remedial action:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed modem.		

**Table 26-71 IK4003008 - BB LOSS OF COMM**

Alarm	Attributes	Applicable major releases
Name: IK4003008 (2153) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB LOSS OF COMM (43) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of layer 3 communication to the modem.		
<b>Impact:</b> The module is not usable. The service impact depends on the eNodeB configuration.		
<b>Remedial action:</b> If the alarm persists for more than 15 minutes, then perform the following tasks sequentially until the alarm clears. Please allow 10 minutes for the alarm to clear after each task. 1. Check the state of the CEM. If "Initializing" is indicated then another 10 minutes should be allowed to pass before resetting the BB. 2. Reset the BB via NEM. 3. Check if BB is present in the cabinet, remove and reinsert BB. 4. Replace BB. 5. Check the back panel and replace CB. 6. Call next level of support.		

Table 26-72 IK4003042 - BB FAULT BIST FAIL

Alarm	Attributes	Applicable major releases
Name: IK4003042 (2154) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAULT BIST FAIL (44) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Built In Self Test failure.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, replace if problem persist		

Table 26-73 IK4003043 - BB FAULT DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4003043 (2155) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT DOWNLOAD FAILURE (45) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software download failure.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Retry the download. If the problem persists, contact the next level support.		

Table 26-74 IK4003044 - BB OVER TEMP MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4003044 (2156) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB OVER TEMP MAJOR (46) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the modem temperature is rising to the shutdown limit.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service on this BB.		
<b>Remedial action:</b> Check for proper fan operation and that the fan type is compatible with the BB type, check that DBU inlet temperature is within operating range.		

**Table 26-75 IK4003045 - BB OVER TEMP CRITICAL**

Alarm	Attributes	Applicable major releases
Name: IK4003045 (2157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB OVER TEMP CRITICAL (47) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the modem temperature is above operating range.		
<b>Impact:</b> LTE service is still possible on this BB until auto shutdown.		
<b>Remedial action:</b> Check for proper fan operation and that the fan type is compatible with the BB type, check that DBU inlet temperature is within operating range.		

**Table 26-76 IK4003046 - BB SOFTWARE FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4003046 (2158) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB SOFTWARE FAIL (48) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a general platform software failure.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-77 IK4003048 - BB L1 HARDWARE FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4003048 (2160) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL (49) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware failure.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB, replace the BB if problem persists.		

Table 26-78 IK4003050 - BB L1 SOFTWARE WARNING

Alarm	Attributes	Applicable major releases
Name: IK4003050 (2162) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING (50) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the BB in low traffic hours.		

Table 26-79 IK4003051 - BB L2 SOFTWARE WARNING

Alarm	Attributes	Applicable major releases
Name: IK4003051 (2163) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING (51) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 2 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the BB in low traffic hours.		

Table 26-80 IK4003052 - BB L2 HARDWARE FAIL

Alarm	Attributes	Applicable major releases
Name: IK4003052 (2164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L2 HARDWARE FAIL (52) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 2 hardware failure.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB, replace the BB if problem persists.		

**Table 26-81 IK4003053 - BB LOSS OF HS DATA LINK ALL**

Alarm	Attributes	Applicable major releases
Name: IK4003053 (2165) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB LOSS OF HS DATA LINK ALL (53) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of high-speed data links to all BBs.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB and/or CB, if problem persists then replace the BB or CB.		

**Table 26-82 IK4003054 - BB LED FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003054 (2166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB LED FAILURE (54) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to control face-plate LEDs.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the BB in low traffic hours.		

**Table 26-83 IK4003055 - BB NON CPU POWER FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003055 (2167) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB NON CPU POWER FAILURE (55) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a BB power failure to the peripheral devices except the Ethernet switch and the P4080.		
<b>Impact:</b> LTE service is not provided on this BB.		
<b>Remedial action:</b> Replace the BB.		

Table 26-84 IK4003056 - BB HS DATA LINK SYNC FAULT

Alarm	Attributes	Applicable major releases
Name: IK4003056 (2168) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB HS DATA LINK SYNC FAULT (56) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to synchronize SFN to modem.		
<b>Impact:</b> LTE service is not provided on this BB.		
<b>Remedial action:</b> Reset the BB.		

Table 26-85 IK4003057 - BB L1 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major releases
Name: IK4003057 (2169) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 1 (57) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		

Table 26-86 IK4003058 - BB L1 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major releases
Name: IK4003058 (2170) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 2 (58) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-87 IK4003059 - BB L1 SOFTWARE FAIL SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003059 (2171) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SLICE 3 (59) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-88 IK4003060 - BB L2 SOFTWARE FAIL SLICE 1**

Alarm	Attributes	Applicable major releases
Name: IK4003060 (2172) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 1 (60) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-89 IK4003061 - BB L2 SOFTWARE FAIL SLICE 2**

Alarm	Attributes	Applicable major releases
Name: IK4003061 (2173) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 2 (61) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		



**Table 26-90 IK4003062 - BB L2 SOFTWARE FAIL SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003062 (2174) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SLICE 3 (62) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-91 IK4003063 - BB L2 HARDWARE FAIL SLICE 1**

Alarm	Attributes	Applicable major releases
Name: IK4003063 (2175) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 1 (63) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a hardware failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB, replace the BB if problem persists.		

**Table 26-92 IK4003064 - BB L2 HARDWARE FAIL SLICE 2**

Alarm	Attributes	Applicable major releases
Name: IK4003064 (2176) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 2 (64) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a hardware failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB, replace the BB if problem persists.		

**Table 26-93 IK4003065 - BB L2 HARDWARE FAIL SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003065 (2177) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 HARDWARE FAIL SLICE 3 (65) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a hardware failure on the BB.		
<b>Impact:</b> LTE service is not possible on this BB slice.		
<b>Remedial action:</b> Reset the BB, replace the BB if problem persists.		

**Table 26-94 IK4003066 - BB L1 SOFTWARE WARNING SLICE 1**

Alarm	Attributes	Applicable major releases
Name: IK4003066 (2178) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 1 (66) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-95 IK4003067 - BB L1 SOFTWARE WARNING SLICE 2**

Alarm	Attributes	Applicable major releases
Name: IK4003067 (2179) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 2 (67) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-96 IK4003068 - BB L1 SOFTWARE WARNING SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003068 (2180) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SLICE 3 (68) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-97 IK4003069 - BB L2 SOFTWARE WARNING SLICE 1**

Alarm	Attributes	Applicable major releases
Name: IK4003069 (2181) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 1 (69) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-98 IK4003070 - BB L2 SOFTWARE WARNING SLICE 2**

Alarm	Attributes	Applicable major releases
Name: IK4003070 (2182) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 2 (70) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-99 IK4003071 - BB L2 SOFTWARE WARNING SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003071 (2183) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L2 SOFTWARE WARNING SLICE 3 (71) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on the BB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset BB in low traffic hours.		

**Table 26-100 IK4003072 - BB FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4003072 (2971) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 (72) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-101 IK4003073 - BB FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4003073 (2972) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 (73) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-102 IK4003074 - BB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4003074 (2973) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 3 (74) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-103 IK4003075 - BB FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4003075 (2974) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 4 (75) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-104 IK4003076 - BB FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4003076 (2975) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 5 (76) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-105 IK4003077 - BB LOSS OF HS DATA LINK 1**

Alarm	Attributes	Applicable major releases
Name: IK4003077 (2976) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 1 (38) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 26-106 IK4003078 - BB LOSS OF HS DATA LINK 2**

Alarm	Attributes	Applicable major releases
Name: IK4003078 (2977) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 2 (39) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 26-107 IK4003079 - BB LOSS OF HS DATA LINK 3**

Alarm	Attributes	Applicable major releases
Name: IK4003079 (2978) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 3 (41) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 26-108 IK4003080 - BB LOSS OF HS DATA LINK 4**

Alarm	Attributes	Applicable major releases
Name: IK4003080 (2979) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOSS OF HS DATA LINK 4 (77) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure of the BB to CB link.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 26-109 IK4003081 - BB DIV IMBALANCE 1**

Alarm	Attributes	Applicable major releases
Name: IK4003081 (5197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 1 (78) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-110 IK4003082 - BB DIV IMBALANCE 2**

Alarm	Attributes	Applicable major releases
Name: IK4003082 (5198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 2 (79) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-111 IK4003083 - BB DIV IMBALANCE 3**

Alarm	Attributes	Applicable major releases
Name: IK4003083 (5199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB DIV IMBALANCE 3 (80) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-112 IK4003084 - BB INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003084 (3750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB INDETERMINATE OPERATIONAL FAILURE (42) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the modem (baseband unit) has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Cells supported by this modem may have failed.		
<b>Remedial action:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the failed modem.		

**Table 26-113 IK4003085 - BB ALL MODEM CELL RESOURCES FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003085 (3985) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB ALL MODEM CELL RESOURCES FAILURE (81) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates all modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB.		



Table 26-114 IK4003103 - BB CELL RESOURCES NOT ALLOCATED

Alarm	Attributes	Applicable major releases
Name: IK4003103 (5200) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB CELL RESOURCES NOT ALLOCATED (82) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the BB requested more HSIQ links than free HSIQ links available at CB level.		
<b>Impact:</b> LTE service is degraded on this BB.		
<b>Remedial action:</b> This alarm can be raised transiently in eCCM+3bCEM configurations. eNB will automatically solve it. If, the problem persists, reset the BB.		

Table 26-115 IK4004001 - CB INIT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4004001 (2184) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE (83) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to initialize the associated resources.		
<b>Impact:</b> The LTE service is affected		
<b>Remedial action:</b> Reset CB using the remote connection to NEM. If the alarm persists, replace the CB.		

Table 26-116 IK4004002 - CB OSC LOSS

Alarm	Attributes	Applicable major releases
Name: IK4004002 (2185) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB OSC LOSS (84) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a hardware failure of the oscillator.		
<b>Impact:</b> The module is not usable. The eNodeB is not operational.		
<b>Remedial action:</b> If the alarm persists for more than a minute, replace the CB.		

**Table 26-117 IK4004003 - CB 1PPS AND TOD REF INPUT LOCK FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4004003 (5201) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB 1PPS AND TOD REF INPUT LOCK FAILURE (85) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of the Ingress Reference 1PPS signal.		
<b>Impact:</b> eNodeB uses a lower priority clock reference source or goes into holdover.		
<b>Remedial action:</b> Check the 1PPS+ToD External Reference Connectivity. If fault persist, call next level of support		

**Table 26-118 IK4004004 - CB 1PPS AND TOD REF INPUT PROTOCOL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4004004 (5202) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB 1PPS AND TOD REF INPUT PROTOCOL FAILURE (86) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Failure of the Ingress 1PPS+ToD Protocol Link.		
<b>Impact:</b> eNodeB remains synchronised to 1PPS. The data from the Protocol message link is no longer available.		
<b>Remedial action:</b> Check the 1PPS+ToD External Reference Connectivity. If fault persist, call next level of support		

**Table 26-119 IK4004005 - CB INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4004005 (5203) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE (87) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the controller board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Operation of the eNodeB is interrupted as the controller board resets.		
<b>Remedial action:</b> Reset the unit manually to attempt to clear the fault. If the problem persists then replace the controller board.		

Table 26-120 IK4004006 - CB OSC I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004006 (5204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB OSC I2C FAULT (88) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot tune the OSC		
<b>Impact:</b> The SW might lose control of the OSC thus the eNB synchrization might not be achieved		
<b>Remedial action:</b> Reset the CB or replace the OSC		

Table 26-121 IK4004007 - CB OSC OUT OF TUNE RANGE

Alarm	Attributes	Applicable major releases
Name: IK4004007 (5205) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB OSC OUT OF TUNE RANGE (89) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The OSC is close to its life cycle		
<b>Impact:</b> The eNB synchrization could be not achived		
<b>Remedial action:</b> Replace the OSC		

Table 26-122 IK4004008 - CB SFP INCOMPATIBILITY CPRI PORT 4

Alarm	Attributes	Applicable major releases
Name: IK4004008 (5206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 4 (90) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

**Table 26-123 IK4004009 - CB FILE SYSTEM ACCESS FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4004009 (2186) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB FILE SYSTEM ACCESS FAILURE (91) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to access files in a partition of the CB file system.		
<b>Impact:</b> Software download is not possible.		
<b>Remedial action:</b> Reset the CB. If the alarm persists, replace the CB.		

**Table 26-124 IK4004011 - CB FLYWHEEL CRITICAL**

Alarm	Attributes	Applicable major releases
Name: IK4004011 (2187) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB FLYWHEEL CRITICAL (92) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The timing reference source (e.g., GPS or 1588) has been unavailable for too long and timing may have drifted enough to cause RF violations.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

**Table 26-125 IK4004012 - CB FLYWHEEL MAJOR**

Alarm	Attributes	Applicable major releases
Name: IK4004012 (2188) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB FLYWHEEL MAJOR (93) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The timing reference source (e.g., GPS or 1588) has been unavailable for an extended time and timing may have drifted enough.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 26-126 IK4004013 - CB FLYWHEEL MINOR

Alarm	Attributes	Applicable major releases
Name: IK4004013 (2189) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FLYWHEEL MINOR (94) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The timing reference source (e.g., GPS or 1588) has been unavailable for an extended time and timing may have drifted enough.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 26-127 IK4004014 - CB FLYWHEEL START

Alarm	Attributes	Applicable major releases
Name: IK4004014 (2190) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB FLYWHEEL START (95) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The timing reference source (e.g., GPS or 1588) is not available.		
<b>Impact:</b> There is no LTE Call processing service impact. This alarm is a Warning that the eNB is now using the internal OCXO without an external reference disciplining it. If the Flywheel alarms escalate through the Minor alarm, Major alarm to the Critical alarm (4004014 to 4004011), only when the critical alarm is triggered is basic LTE CallP service impacted.		
<b>Remedial action:</b> Check for reference source alarms: GPS RECEIVER (4004083);GPS 1PPS LOSS (4004065);LOSS OF SYNCE (4004160);PTP LOSS OF PRIMARY SYNC(4004162)		

Table 26-128 IK4004018 - CB TRANS LSL CPRI PORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004018 (2194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 1 (99) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-129 IK4004019 - CB TRANS LSL CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004019 (2195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 2 (100) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-130 IK4004020 - CB TRANS LSL CPRI PORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004020 (2196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 3 (101) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-131 IK4004021 - CB TRANS LSL CPRI PORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4004021 (2197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 4 (102) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-132 IK4004022 - CB TRANS LSL CPRI PORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004022 (2198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 5 (103) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-133 IK4004023 - CB TRANS LSL CPRI PORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004023 (2199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 6 (104) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-134 IK4004024 - CB RAI CPRI PORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004024 (2200) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRI PORT 1 (105) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

**Table 26-135 IK4004025 - CB RAI CPRIPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004025 (2201) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 2 (106) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

**Table 26-136 IK4004026 - CB RAI CPRIPORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004026 (2202) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 3 (107) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

**Table 26-137 IK4004027 - CB RAI CPRIPORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4004027 (2203) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 4 (108) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		



Table 26-138 IK4004028 - CB RAI CPRIPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004028 (2204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 5 (109) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 26-139 IK4004029 - CB RAI CPRIPORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004029 (2205) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 6 (110) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 26-140 IK4004030 - CB LOS LOF CPRIPORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004030 (2206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 1 (111) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-141 IK4004031 - CB LOS LOF CPRIPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004031 (2207) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 2 (112) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-142 IK4004032 - CB LOS LOF CPRIPORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004032 (2208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 3 (113) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-143 IK4004033 - CB LOS LOF CPRIPORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4004033 (2209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 4 (114) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 26-144 IK4004034 - CB LOS LOF CPRIPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004034 (2210) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 5 (115) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 26-145 IK4004035 - CB LOS LOF CPRIPORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004035 (2211) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 6 (116) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

Table 26-146 IK4004036 - CB TRANS TX FAILURE CPRIPORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004036 (2212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRIPORT 1 (117) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-147 IK4004037 - CB TRANS TX FAILURE CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004037 (2213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 2 (118) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-148 IK4004038 - CB TRANS TX FAILURE CPRI PORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004038 (2214) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 3 (119) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-149 IK4004039 - CB TRANS TX FAILURE CPRI PORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4004039 (2215) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 4 (120) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

Table 26-150 IK4004040 - CB TRANS TX FAILURE CPRI PORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004040 (2216) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 5 (121) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

Table 26-151 IK4004041 - CB TRANS TX FAILURE CPRI PORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004041 (2217) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 6 (122) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

Table 26-152 IK4004042 - CB TRANS RX LOS CPRI PORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004042 (2218) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 1 (123) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-153 IK4004043 - CB TRANS RX LOS CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004043 (2219) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 2 (124) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-154 IK4004044 - CB TRANS RX LOS CPRI PORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004044 (2220) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 3 (125) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-155 IK4004045 - CB TRANS RX LOS CPRI PORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4004045 (2221) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 4 (126) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 26-156 IK4004046 - CB TRANS RX LOS CPRI PORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004046 (2222) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 5 (127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 26-157 IK4004047 - CB TRANS RX LOS CPRI PORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004047 (2223) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 6 (128) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

Table 26-158 IK4004054 - CB SDI CPRI PORT 1

Alarm	Attributes	Applicable major releases
Name: IK4004054 (2224) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRI PORT 1 (135) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		

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Table 26-159 IK4004055 - CB SDI CPRIPORT 2

Alarm	Attributes	Applicable major releases
Name: IK4004055 (2225) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 2 (136) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		

Table 26-160 IK4004056 - CB SDI CPRIPORT 3

Alarm	Attributes	Applicable major releases
Name: IK4004056 (2226) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 3 (137) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		

Table 26-161 IK4004057 - CB SDI CPRIPORT 4

Alarm	Attributes	Applicable major releases
Name: IK4004057 (2227) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 4 (138) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		



Table 26-162 IK4004058 - CB SDI CPRIPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004058 (2228) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 5 (139) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		

Table 26-163 IK4004059 - CB SDI CPRIPORT 6

Alarm	Attributes	Applicable major releases
Name: IK4004059 (2229) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 6 (140) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> One or more data channels on this CPRI have failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM.		

Table 26-164 IK4004061 - CB ALL CPRIPORTS FAILED

Alarm	Attributes	Applicable major releases
Name: IK4004061 (2231) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB ALL CPRIPORTS FAILED (142) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of all CPRI ports.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Reset CB using the remote connection to NEM. If the alarm persists, replace the CB.		

**Table 26-165 IK4004065 - CB GPS 1PPS LOSS**

Alarm	Attributes	Applicable major releases
Name: IK4004065 (2235) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS 1PPS LOSS (146) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of GPS receiver 1PPS signal.		
<b>Impact:</b> eNodeB uses a lower priority clock reference source or goes into holdover. If GPS does not recover, then Holdover Flywheeling alarms (4004014 to 4004011) will be triggered with increasing severity. Only if the critical Flywheeling alarm (4004011) is triggered will LTE service be disabled.		
<b>Remedial action:</b> Check GPS signal, GPS antenna, external GPS receiver if present. If fault persist, call next level of support		

**Table 26-166 IK4004066 - CB TRANS LSL BHPORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4004066 (2236) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL BHPORT 1 (147) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the received optical signal level is very low on the backhaul port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and SFPs at CB and RFM.		

**Table 26-167 IK4004067 - CB TRANS LSL BHPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004067 (2237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL BHPORT 2 (148) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the received optical signal level is very low on the backhaul port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and SFPs at CB and RFM.		

**Table 26-168 IK4004073 - CB OSC OVER TEMP**

Alarm	Attributes	Applicable major releases
Name: IK4004073 (2239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB OSC OVER TEMP (150) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the CB timing oscillator temperature is above the specification limit.		
<b>Impact:</b> The LTE performance is low.		
<b>Remedial action:</b> Check for proper fan operation and that fan is compatible with modem unit, check DBU inlet temperature is within operating range. Replace the CB if necessary.		

**Table 26-169 IK4004075 - CB SYSTEM CLOCK UNAVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4004075 (2241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB SYSTEM CLOCK UNAVAILABLE (151) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the system clock is not available. The alarm is applicable for 1588 system clock, syncE, GPS and external reference sources.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the synchronization sources and provisioning.		

**Table 26-170 IK4004082 - CB GPS ANT**

Alarm	Attributes	Applicable major releases
Name: IK4004082 (2248) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS ANT (153) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a GPS antenna failure.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> Check the GPS antenna.		

**Table 26-171 IK4004083 - CB GPS RECEIVER**

Alarm	Attributes	Applicable major releases
Name: IK4004083 (2249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS RECEIVER (154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The GPS receiver has failed and cannot provide a timing reference signal.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> Ensure that eNodeB has completed initialization. Check the cable connection to the External GPS Receiver if equipped, replace receiver if necessary. If internal receiver then replace the CB.		

**Table 26-172 IK4004091 - CB LOS LOF HSIQPORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4004091 (2251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 1 (155) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-173 IK4004092 - CB LOS LOF HSIQPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004092 (2252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 2 (156) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-174 IK4004093 - CB LOS LOF HSIQPORT 3

Alarm	Attributes	Applicable major releases
Name: IK4004093 (2253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 3 (157) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-175 IK4004094 - CB LOS LOF HSIQPORT 4

Alarm	Attributes	Applicable major releases
Name: IK4004094 (2254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 4 (158) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-176 IK4004095 - CB LOS LOF HSIQPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004095 (2255) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 5 (159) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-177 IK4004096 - CB LOS LOF HSIQPORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4004096 (2256) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 6 (160) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-178 IK4004097 - CB LOS LOF HSIQPORT 7**

Alarm	Attributes	Applicable major releases
Name: IK4004097 (2257) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 7 (161) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-179 IK4004098 - CB LOS LOF HSIQPORT 8**

Alarm	Attributes	Applicable major releases
Name: IK4004098 (2258) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 8 (162) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-180 IK4004099 - CB LOS LOF HSIQPORT 9

Alarm	Attributes	Applicable major releases
Name: IK4004099 (2259) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 9 (163) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-181 IK4004100 - CB LOS LOF HSIQPORT 10

Alarm	Attributes	Applicable major releases
Name: IK4004100 (2260) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 10 (164) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

Table 26-182 IK4004101 - CB LOS LOF HSIQPORT 11

Alarm	Attributes	Applicable major releases
Name: IK4004101 (2261) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 11 (165) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-183 IK4004102 - CB LOS LOF HSIQPORT 12**

Alarm	Attributes	Applicable major releases
Name: IK4004102 (2262) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOS LOF HSIQPORT 12 (166) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of signal between BB and CB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the BB if a single port fault is present. If link faults exist across multiple ports then replace the CB.		

**Table 26-184 IK4004104 - CB GPS RECEIVER COMM FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4004104 (2263) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB GPS RECEIVER COMM FAIL (167) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The CB cannot communicate with the GPS receiver.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> Ensure that eNodeB has completed initialization. Check the cable connection to the External GPS Receiver if equipped, replace receiver if necessary. If internal receiver then replace the CB.		

**Table 26-185 IK4004107 - CB SFP INCOMPATIBILITY CPRIPORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4004107 (2266) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRIPORT 1 (168) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		



Table 26-186 IK4004117 - CB OVER TEMP MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4004117 (2276) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB OVER TEMP MAJOR (169) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CB temperature is rising near the shutdown limit.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check for fan failure or high ambient temperature.		

Table 26-187 IK4004118 - CB OVER TEMP CRITICAL

Alarm	Attributes	Applicable major releases
Name: IK4004118 (2277) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB OVER TEMP CRITICAL (170) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CB temperature is above the operating range.		
<b>Impact:</b> The LTE service is still possible until auto shutdown.		
<b>Remedial action:</b> CB autonomously powers down. Check for fan failure or high ambient temperature.		

Table 26-188 IK4004126 - CB FAILURE SLAVE SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4004126 (2285) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB FAILURE SLAVE SOC 2 (171) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of a Slave SOC.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists.		

**Table 26-189 IK4004127 - CB FAILURE SLAVE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4004127 (2286) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB FAILURE SLAVE SOC 3 (172) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of a Slave SOC.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists.		

**Table 26-190 IK4004128 - CB CARD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4004128 (2287) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB CARD FAILURE (173) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of controller board.		
<b>Impact:</b> LTE service is not possible.		
<b>Remedial action:</b> Reset the CB manually to attempt to clear the fault. Replace the controller board if the problem persists.		

**Table 26-191 IK4004129 - CB SFP INCOMPATIBILITY CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004129 (2288) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 2 (174) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

Table 26-192 IK4004130 - CB SFP1 I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004130 (2289) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP1 I2C FAULT (175) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 1 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

Table 26-193 IK4004131 - CB SFP2 I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004131 (2290) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP2 I2C FAULT (176) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 2 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

Table 26-194 IK4004132 - CB SFP3 I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004132 (2291) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP3 I2C FAULT (177) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 3 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-195 IK4004133 - CB SFP4 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4004133 (2292) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB SFP4 I2C FAULT (178) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 4 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-196 IK4004134 - CB SFP5 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4004134 (2293) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB SFP5 I2C FAULT (179) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 5 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-197 IK4004135 - CB SFP6 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4004135 (2294) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB SFP6 I2C FAULT (180) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 6 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

Table 26-198 IK4004138 - CB SFP7 I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004138 (2297) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP7 I2C FAULT (183) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 7 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

Table 26-199 IK4004139 - CB SFP8 I2C FAULT

Alarm	Attributes	Applicable major releases
Name: IK4004139 (2298) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SFP8 I2C FAULT (184) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP 8 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

Table 26-200 IK4004140 - CB TOD OUT OF SYNC

Alarm	Attributes	Applicable major releases
Name: IK4004140 (2299) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TOD OUT OF SYNC (185) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the GPS timing pulses may be missing or incorrect.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the External GPS Receiver or CB (if using internal GPS receiver).		

**Table 26-201 IK4004143 - CB SFP9 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4004143 (5207) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB SFP9 I2C FAULT (188) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-202 IK4004144 - CB FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4004144 (2988) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 (189) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-203 IK4004145 - CB FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4004145 (2989) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 (190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-204 IK4004146 - CB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4004146 (2990) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 3 (191) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-205 IK4004147 - CB FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4004147 (2991) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 4 (192) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-206 IK4004148 - CB FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4004148 (2992) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 5 (193) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-207 IK4004152 - CB SFP INCOMPATIBILITY CPRI PORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4004152 (2996) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 3 (197) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

**Table 26-208 IK4004153 - CB INIT GPS SELF SURVEY INPROGRESS**

Alarm	Attributes	Applicable major releases
Name: IK4004153 (2997) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY INPROGRESS (198) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a high accuracy GPS survey is in progress.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Wait. If the alarm persists beyond 10 hours, call the next level of support.		

**Table 26-209 IK4004154 - CB LOOPBACK INACTIVITY**

Alarm	Attributes	Applicable major releases
Name: IK4004154 (2998) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB LOOPBACK INACTIVITY (199) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates there is no packet activity for the interval specified in the loopback activation.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the CB. Call the next level of support		



Table 26-210 IK4004155 - CB PTP CLIENT INITIALIZING 1

Alarm	Attributes	Applicable major releases
Name: IK4004155 (3637) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB PTP CLIENT INITIALIZING 1 (200) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the 1588 client algorithm is stabilizing from a cold start-up, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> If alarm continues assess the Packet delay variation on the Network Interface.		

Table 26-211 IK4004156 - CB PTP CLIENT INITIALIZING 2

Alarm	Attributes	Applicable major releases
Name: IK4004156 (3638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB PTP CLIENT INITIALIZING 2 (201) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the 1588 client algorithm is stabilizing from a cold start-up, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> If alarm continues assess the Packet delay variation on the Network Interface.		

Table 26-212 IK4004157 - CB GPS LOCK FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4004157 (3639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB GPS LOCK FAILURE (202) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that GPS satellite lock has been lost after timing has been synchronized.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or CB (if using internal GPS receiver).		

**Table 26-213 IK4004158 - CB OSC IN WARMUP**

Alarm	Attributes	Applicable major releases
Name: IK4004158 (3640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB OSC IN WARMUP (149) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CB timing oscillator is below its operating temperature range.		
<b>Impact:</b> The LTE service is affected during the warm up of the oscillator module.		
<b>Remedial action:</b> Wait for the oscillator module to warm up, worst case delay is 12 minutes at -5 Degree C cold start.. If the alarm persists and ambient temperature is within normal operating range then replace the CB.		

**Table 26-214 IK4004159 - CB LOSS OF PRIMARY REFERENCE**

Alarm	Attributes	Applicable major releases
Name: IK4004159 (3641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOSS OF PRIMARY REFERENCE (152) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the primary reference source is not available.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> Check the primary reference source.		

**Table 26-215 IK4004160 - CB LOSS OF SYNCE**

Alarm	Attributes	Applicable major releases
Name: IK4004160 (3642) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB LOSS OF SYNCE (203) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The SyncE timing reference is not available.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> The Backhaul Node connecting to the eNB cannot supply an accurate Synchronous Ethernet clock. Check the clock source on this Backhaul Node.		

Table 26-216 IK4004161 - CB GPS ANT POSITION UNKNOWN

Alarm	Attributes	Applicable major releases
Name: IK4004161 (3643) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB GPS ANT POSITION UNKNOWN (204) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure to detect the GPS antenna position.		
<b>Impact:</b> Impacts the location-based service.		
<b>Remedial action:</b> Check the position of the GPS antenna.		

Table 26-217 IK4004162 - CB PTP LOSS OF PRIMARY SYNCHRONIZATION

Alarm	Attributes	Applicable major releases
Name: IK4004162 (3644) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP LOSS OF PRIMARY SYNCHRONIZATION (186) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of synchronization with the primary 1588 grandmaster server, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

Table 26-218 IK4004163 - CB PTP LOSS OF SECONDARY SYNCHRONIZATION

Alarm	Attributes	Applicable major releases
Name: IK4004163 (3645) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP LOSS OF SECONDARY SYNCHRONIZATION (187) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a loss of synchronization with the secondary 1588 grandmaster server, when the 1588 message transfer is set to Continuous mode. This alarm is inhibited when the 1588 message transfer is in Discontinuous mode.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> Check configuration of link to 1588 Grandmaster is correct. If problem persists check the packet delay variation on the eNb backhaul interface.		

**Table 26-219 IK4004164 - CB PTP UNEXPECTED LONG INITIALIZATION**

Alarm	Attributes	Applicable major releases
Name: IK4004164 (3646) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB PTP UNEXPECTED LONG INITIALIZATION (205) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that 1588 client has taken longer than expected to achieve complete synchronization. When the 1588 message transfer is set to Discontinuous mode and the , this alarm indicates lock has not been obtained in a message transfer session before the next timed session, when the session length is defined by gaining Lock.		
<b>Impact:</b> The LTE service is affected with 1588 PTP as synchronization reference. However, the eNB may synchronize to an alternative available source.		
<b>Remedial action:</b> Verify 1588 grandmaster is operating correctly, check network conditions, otherwise reset the CB. Note: if eNB has synchronized to an alternative available source, then reset of CB will be service impacting.		

**Table 26-220 IK4004166 - CB GPS INSUFFICIENT FIXED SATELLITES**

Alarm	Attributes	Applicable major releases
Name: IK4004166 (3648) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB GPS INSUFFICIENT FIXED SATELLITES (195) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that insufficient fixed satellites are available to get GPS synchronization.		
<b>Impact:</b> The GPS synchronisation is not possible.		
<b>Remedial action:</b> Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

**Table 26-221 IK4004167 - CB GPS INSUFFICIENT VISIBLE SATELLITES**

Alarm	Attributes	Applicable major releases
Name: IK4004167 (3649) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB GPS INSUFFICIENT VISIBLE SATELLITES (196) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that insufficient visible satellites are available to get GPS synchronization.		
<b>Impact:</b> The GPS synchronisation is not possible.		
<b>Remedial action:</b> Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 26-222 IK4004170 - CB INIT GPS SELF SURVEY

Alarm	Attributes	Applicable major releases
Name: IK4004170 (3752) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY (206) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a high accuracy GPS survey has not been successfully completed after 24 hours.		
<b>Impact:</b> Quality of GPS timing source is too low to support OTDOA geolocation.		
<b>Remedial action:</b> Check GPS receiver.		

Table 26-223 IK4004171 - CB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4004171 (3753) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE (87) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the controller board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Operation of the eNodeB is interrupted as the controller board resets.		
<b>Remedial action:</b> Reset the unit manually to attempt to clear the fault. If the problem persists then replace the controller board.		

Table 26-224 IK4004172 - CB TRANS LSL CPRI PORT 7

Alarm	Attributes	Applicable major releases
Name: IK4004172 (4632) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 7 (208) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-225 IK4004173 - CB TRANS LSL CPRI PORT 8**

Alarm	Attributes	Applicable major releases
Name: IK4004173 (4633) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 8 (209) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-226 IK4004174 - CB TRANS LSL CPRI PORT 9**

Alarm	Attributes	Applicable major releases
Name: IK4004174 (4634) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS LSL CPRI PORT 9 (210) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-227 IK4004175 - CB RAI CPRI PORT 7**

Alarm	Attributes	Applicable major releases
Name: IK4004175 (4635) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRI PORT 7 (211) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 26-228 IK4004176 - CB RAI CPRIPORT 8

Alarm	Attributes	Applicable major releases
Name: IK4004176 (4636) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 8 (212) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 26-229 IK4004177 - CB RAI CPRIPORT 9

Alarm	Attributes	Applicable major releases
Name: IK4004177 (4637) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB RAI CPRIPORT 9 (213) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The first RFM on the CPRI port is reporting a CPRI link alarm.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary. Reset or replace CB if problem persists.		

Table 26-230 IK4004178 - CB LOS LOF CPRIPORT 7

Alarm	Attributes	Applicable major releases
Name: IK4004178 (4638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 7 (214) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-231 IK4004179 - CB LOS LOF CPRIPORT 8**

Alarm	Attributes	Applicable major releases
Name: IK4004179 (4639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 8 (215) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-232 IK4004180 - CB LOS LOF CPRIPORT 9**

Alarm	Attributes	Applicable major releases
Name: IK4004180 (4640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB LOS LOF CPRIPORT 9 (216) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (CB and RFM) for failures, otherwise reset the RFM or reset the CB		

**Table 26-233 IK4004181 - CB TRANS TX FAILURE CPRIPORT 7**

Alarm	Attributes	Applicable major releases
Name: IK4004181 (4641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRIPORT 7 (217) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		



Table 26-234 IK4004182 - CB TRANS TX FAILURE CPRI PORT 8

Alarm	Attributes	Applicable major releases
Name: IK4004182 (4642) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 8 (218) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

Table 26-235 IK4004183 - CB TRANS TX FAILURE CPRI PORT 9

Alarm	Attributes	Applicable major releases
Name: IK4004183 (4643) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB TRANS TX FAILURE CPRI PORT 9 (219) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the CB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

Table 26-236 IK4004184 - CB TRANS RX LOS CPRI PORT 7

Alarm	Attributes	Applicable major releases
Name: IK4004184 (4644) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 7 (220) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-237 IK4004185 - CB TRANS RX LOS CPRI PORT 8**

Alarm	Attributes	Applicable major releases
Name: IK4004185 (4645) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 8 (221) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-238 IK4004186 - CB TRANS RX LOS CPRI PORT 9**

Alarm	Attributes	Applicable major releases
Name: IK4004186 (4646) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB TRANS RX LOS CPRI PORT 9 (222) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end), verify the RFM is operating.		

**Table 26-239 IK4004190 - CB SDI CPRI PORT 7**

Alarm	Attributes	Applicable major releases
Name: IK4004190 (4647) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRI PORT 7 (223) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates one or more data channels on this CPRI have failed.		
<b>Impact:</b> Cell operation may be degraded.		
<b>Remedial action:</b> Reset the RFM connected to this CPRI port.		

Table 26-240 IK4004191 - CB SDI CPRIPORT 8

Alarm	Attributes	Applicable major releases
Name: IK4004191 (4648) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 8 (224) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates one or more data channels on this CPRI have failed.		
<b>Impact:</b> Cell operation may be degraded.		
<b>Remedial action:</b> Reset the RFM connected to this CPRI port.		

Table 26-241 IK4004192 - CB SDI CPRIPORT 9

Alarm	Attributes	Applicable major releases
Name: IK4004192 (4649) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB SDI CPRIPORT 9 (225) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates one or more data channels on this CPRI have failed.		
<b>Impact:</b> Cell operation may be degraded.		
<b>Remedial action:</b> Reset the RFM connected to this CPRI port.		

Table 26-242 IK4004193 - CB SFP INCOMPATIBILITY CPRIPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4004193 (5208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRIPORT 5 (226) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

**Table 26-243 IK4004194 - CB SFP INCOMPATIBILITY CPRI PORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4004194 (5209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 6 (227) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

**Table 26-244 IK4004195 - CB SFP INCOMPATIBILITY CPRI PORT 7**

Alarm	Attributes	Applicable major releases
Name: IK4004195 (5210) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 7 (228) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

**Table 26-245 IK4004196 - CB SFP INCOMPATIBILITY CPRI PORT 8**

Alarm	Attributes	Applicable major releases
Name: IK4004196 (5211) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 8 (229) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

Table 26-246 IK4004197 - CB SFP INCOMPATIBILITY CPRI PORT 9

Alarm	Attributes	Applicable major releases
Name: IK4004197 (5212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB SFP INCOMPATIBILITY CPRI PORT 9 (230) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the BBU.		

Table 26-247 IK4005001 - DBU INITIALIZATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005001 (2300) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: critical Specific problem: DBU INITIALIZATION FAILURE (231) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to initialize the associated resources.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Reset CB using the remote connection to NEM. Check BIST result. If the alarm persists, replace the CB.		

Table 26-248 IK4005002 - RECTIFIER FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005002 (2301) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE (232) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the rectifier has failed.		
<b>Impact:</b> Rectifier redundancy is no more available		
<b>Remedial action:</b> Check rectifier for root cause and either replace rectifier or repair if possible.		

**Table 26-249 IK4005003 - DBU MEMORY ACCESS FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005003 (2302) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU MEMORY ACCESS FAILURE (233) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to access the EEPROM on the eNodeB.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-250 IK4005004 - DBU UNREADABLE MANUFACTURER DATA**

Alarm	Attributes	Applicable major releases
Name: IK4005004 (2303) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU UNREADABLE MANUFACTURER DATA (234) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the manufacturer data.		
<b>Impact:</b> The LTE service is not possible.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-251 IK4005005 - BATTERY FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005005 (5213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: BATTERY FAILURE (235) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Battery failure (high temperature, voltage imbalance)		
<b>Impact:</b> Batteries have degraded or failed. ENB may shut down if battery power is needed.		
<b>Remedial action:</b> Replace batteries.		

**Table 26-252 IK4005006 - POWER CONTROL BOARD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005006 (2304) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: POWER CONTROL BOARD FAILURE (236) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that AC/DC power system control board is in failure		
<b>Impact:</b> AC/DC power system functioning is degraded. Alarm monitoring of power system may be degraded.		
<b>Remedial action:</b> Check power system control module. Replace power system control module.		

**Table 26-253 IK4005007 - AC CIRCUIT BREAKER**

Alarm	Attributes	Applicable major releases
Name: IK4005007 (2305) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: AC CIRCUIT BREAKER (237) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that one or several AC breakers have tripped. May be associated to AC Main alarm.		
<b>Impact:</b> eNB may shut down		
<b>Remedial action:</b> Visit basestation and check AC main supply.		

**Table 26-254 IK4005008 - DBU INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005008 (2306) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: critical Specific problem: DBU INDETERMINATE OPERATIONAL FAILURE (238) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the shelf hardware has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Impact will depend on the affected unit. A fan failure may lead to overheating, an alarm module failure may hide existing alarms.		
<b>Remedial action:</b> Inspect the shelf hardware (fan unit, power converter unit, etc.), replace any faulty unit.		

**Table 26-255 IK4005009 - FRESH AIR FILTER 1 FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005009 (2307) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 1 FAILURE (239) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that Fresh air filter 1 is clogged		
<b>Impact:</b> Fresh Air flow reduced		
<b>Remedial action:</b> Replace filter.		

**Table 26-256 IK4005010 - FRESH AIR FILTER 2 FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005010 (2308) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 2 FAILURE (240) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that Fresh air filter 2 is clogged.		
<b>Impact:</b> Fresh Air flow reduced		
<b>Remedial action:</b> Replace filter.		

**Table 26-257 IK4005038 - DBU AC MAJOR**

Alarm	Attributes	Applicable major releases
Name: IK4005038 (2336) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU AC MAJOR (241) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of multiple rectifier components.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the failed rectifier component.		



Table 26-258 IK4005039 - DBU AC MINOR

Alarm	Attributes	Applicable major releases
Name: IK4005039 (2337) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU AC MINOR (242) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a minor failure in the DC rectifier unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the failed fan or the rectifier component.		

Table 26-259 IK4005040 - DBU AC INPUT OUT OF SPEC

Alarm	Attributes	Applicable major releases
Name: IK4005040 (2338) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AC INPUT OUT OF SPEC (243) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the AC input voltage to the rectifiers is too high or too low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Verify and correct the AC power supply to the rectifiers.		

Table 26-260 IK4005041 - DBU AC BATTERY CHARGING FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005041 (2339) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AC BATTERY CHARGING FAILURE (244) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB is operating on the battery power.		
<b>Impact:</b> The eNodeB is not operational due to the drained batteries.		
<b>Remedial action:</b> Verify and correct the AC power supply to the rectifiers. If the alarm persists, check and replace any failed rectifier components.		

**Table 26-261 IK4005042 - DBU FAN ALARM**

Alarm	Attributes	Applicable major releases
Name: IK4005042 (2340) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU FAN ALARM (245) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the baseband cabinet fan failure.		
<b>Impact:</b> The baseband cabinet components may fail due to overheating.		
<b>Remedial action:</b> Replace the baseband cabinet fan.		

**Table 26-262 IK4005043 - DBU DOOR ALARM**

Alarm	Attributes	Applicable major releases
Name: IK4005043 (2341) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: DBU DOOR ALARM (246) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB door is open.		
<b>Impact:</b> The eNodeB equipment is accessible and easily tampered. No immediate impact on call processing.		
<b>Remedial action:</b> Close the cabinet door.		

**Table 26-263 IK4005044 - DBU OVER TEMP**

Alarm	Attributes	Applicable major releases
Name: IK4005044 (2342) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: DBU OVER TEMP (247) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the baseband cabinet temperature is above the safe operating threshold.		
<b>Impact:</b> The eNodeB components may fail due to overheating.		
<b>Remedial action:</b> Check the cabinet for proper functioning fans and unclogged air filters. Check if the ambient temperature is within the recommended operating range.		

Table 26-264 IK4005045 - DBU UNDER TEMP

Alarm	Attributes	Applicable major releases
Name: IK4005045 (2343) Type: environmentalAlarm (2) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU UNDER TEMP (248) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the baseband cabinet temperature is below the safe operating threshold.		
<b>Impact:</b> The eNodeB components may fail due to low temperature.		
<b>Remedial action:</b> Check if the ambient temperature is within the recommended operating range.		

Table 26-265 IK4005046 - DBU FAF

Alarm	Attributes	Applicable major releases
Name: IK4005046 (2344) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAF (249) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the baseband cabinet filter airflow is reduced by excessive dirt.		
<b>Impact:</b> The eNodeB components may fail due to overheating.		
<b>Remedial action:</b> Replace the fresh air filter.		

Table 26-266 IK4005047 - DBU AUX EQUIP

Alarm	Attributes	Applicable major releases
Name: IK4005047 (2345) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU AUX EQUIP (250) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an error in the auxiliary telecom equipment in the eNodeB.		
<b>Impact:</b> The eNodeB external communication fails or is degraded.		
<b>Remedial action:</b> Check the auxiliary telecom equipment.		

**Table 26-267 IK4005051 - DBU BACKPLANE TYPE NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4005051 (2349) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: critical Specific problem: DBU BACKPLANE TYPE NOT SUPPORTED (253) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the backplane type is not supported.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Proceed with a software upgrade.		

**Table 26-268 IK4005052 - DBU RUC FAN FAULT MAJOR**

Alarm	Attributes	Applicable major releases
Name: IK4005052 (2350) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: major Specific problem: DBU RUC FAN FAULT MAJOR (254) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the fan assemblies cooling capacity has been degraded.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the fan.		

**Table 26-269 IK4005053 - DBU RUC FAN FAULT CRITICAL**

Alarm	Attributes	Applicable major releases
Name: IK4005053 (2351) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: critical Specific problem: DBU RUC FAN FAULT CRITICAL (255) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the fan assemblies is not functioning.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> HW autonomously powers down the system.		

Table 26-270 IK4005054 - DBU WRONG FAN ASSEMBLY

Alarm	Attributes	Applicable major releases
Name: IK4005054 (2352) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: DBU WRONG FAN ASSEMBLY (256) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a wrong flow RUC, specifically a normal-flow RUC being present when a high-flow RUC is needed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-271 IK4005055 - DBU HEAT EXCHANGER

Alarm	Attributes	Applicable major releases
Name: IK4005055 (2999) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU HEAT EXCHANGER (257) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cabinet heat exchanger has failed		
<b>Impact:</b> The eNodeB components may fail due to overheating.		
<b>Remedial action:</b> Replace the heat exchanger.		

Table 26-272 IK4005058 - DBU FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4005058 (3002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 3 (260) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified DBU fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-273 IK4005059 - DBU FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4005059 (3003) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 4 (261) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified DBU fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-274 IK4005060 - DBU FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4005060 (3004) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBSelfSpecifics	Severity: minor Specific problem: DBU FAULT 5 (262) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified DBU fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-275 IK4005067 - DBU INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005067 (3756) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBSelfSpecifics	Severity: critical Specific problem: DBU INDETERMINATE OPERATIONAL FAILURE (238) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the shelf hardware has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Impact will depend on the affected unit. A fan failure may lead to overheating, an alarm module failure may hide existing alarms.		
<b>Remedial action:</b> Inspect the shelf hardware (fan unit, power converter unit, etc.), replace any faulty unit.		

Table 26-276 IK4005068 - FRESH AIR FILTER 1 FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005068 (3757) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 1 FAILURE (239) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that Fresh air filter 1 is clogged		
<b>Impact:</b> Fresh Air flow reduced		
<b>Remedial action:</b> Replace filter.		

Table 26-277 IK4005069 - FRESH AIR FILTER 2 FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005069 (3758) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: FRESH AIR FILTER 2 FAILURE (240) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that Fresh air filter 2 is clogged.		
<b>Impact:</b> Fresh Air flow reduced		
<b>Remedial action:</b> Replace filter.		

Table 26-278 IK4005070 - TRDU FAN FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005070 (3759) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: major Specific problem: TRDU FAN FAILURE (266) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the TRDU fan has failed.		
<b>Impact:</b> TRDU may over heat		
<b>Remedial action:</b> Replace the fan.		

**Table 26-279 IK4005071 - RECTIFIER FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005071 (3760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE (232) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the rectifier has failed.		
<b>Impact:</b> Rectifier redundancy is no more available		
<b>Remedial action:</b> Check rectifier for root cause and either replace rectifier or repair if possible.		

**Table 26-280 IK4005072 - BATTERY FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4005072 (3761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: BATTERY FAILURE (235) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a Battery failure (high temperature, voltage imbalance)		
<b>Impact:</b> Batteries have degraded or failed. ENB may shut down if battery power is needed.		
<b>Remedial action:</b> Replace batteries.		

**Table 26-281 IK4005073 - SMOKE DETECTOR**

Alarm	Attributes	Applicable major releases
Name: IK4005073 (3762) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: SMOKE DETECTOR (267) Implicitly cleared: true Default probable cause: unspecifiedReason (802)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the alarm is linked to an optional smoke detector inside cabinet.		
<b>Impact:</b> May damage eNB.		
<b>Remedial action:</b> Visit basestation to determine cause. Note: Reset the smoke detector.		



Table 26-282 IK4005074 - WATER DETECTOR

Alarm	Attributes	Applicable major releases
Name: IK4005074 (3763) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: WATER DETECTOR (268) Implicitly cleared: true Default probable cause: floodDetected (1482)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the alarm is linked to a water ingress detector inside cabinet.		
<b>Impact:</b> Damage to eNB		
<b>Remedial action:</b> Visit basestation to determine cause. Note: Reset the water detector.		

Table 26-283 IK4005075 - MISSING LINK ERROR

Alarm	Attributes	Applicable major releases
Name: IK4005075 (3764) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: minor Specific problem: MISSING LINK ERROR (269) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Battery thermal probe disconnection of battery thermal probe failure.		
<b>Impact:</b> Batteries may overheat		
<b>Remedial action:</b> Visit basestation to determine cause repair as needed. Note: Once the fault is corrected the alarm should clear.		

Table 26-284 IK4005076 - POWER CONTROL BOARD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005076 (3765) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: major Specific problem: POWER CONTROL BOARD FAILURE (236) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that AC/DC power system control board is in failure		
<b>Impact:</b> AC/DC power system functioning is degraded. Alarm monitoring of power system may be degraded.		
<b>Remedial action:</b> Check power system control module. Replace power system control module.		

**Table 26-285 IK4005077 - BATTERY NOT DETECTED**

Alarm	Attributes	Applicable major releases
Name: IK4005077 (3766) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: BATTERY NOT DETECTED (270) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the DC breaker protecting the battery has tripped OFF.		
<b>Impact:</b> DC supply may be interrupted		
<b>Remedial action:</b> Visit basestation and check input to the battery.		

**Table 26-286 IK4005078 - AC CIRCUIT BREAKER**

Alarm	Attributes	Applicable major releases
Name: IK4005078 (3767) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: AC CIRCUIT BREAKER (237) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that one or several AC breakers have tripped. May be associated to AC Main alarm.		
<b>Impact:</b> eNB may shut down		
<b>Remedial action:</b> Visit basestation and check AC main supply.		

**Table 26-287 IK4005079 - LOW VOLTAGE DETECTION**

Alarm	Attributes	Applicable major releases
Name: IK4005079 (3768) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: warning Specific problem: LOW VOLTAGE DETECTION (271) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Batteries are nearly totally discharged, the power system will soon stop.		
<b>Impact:</b> Power system will be stopped		
<b>Remedial action:</b> Visit basestation and determine battery failure.		

Table 26-288 IK4005080 - BATTERY MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4005080 (3769) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: BATTERY MAJOR (272) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the batteries have reached the end of life and must be replaced.		
<b>Impact:</b> Power system will be stopped		
<b>Remedial action:</b> Replace batteries.		

Table 26-289 IK4005081 - RECTIFIER FAILURE MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4005081 (3986) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: major Specific problem: RECTIFIER FAILURE MAJOR (273) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that more than one rectifier has failed.		
<b>Impact:</b> Possible total node B shutdown depending of traffic load.		
<b>Remedial action:</b> Check rectifier for root cause and either replace rectifier or repair if possible.		

Table 26-290 IK4005082 - AC SURGE PROTECTOR FAULT

Alarm	Attributes	Applicable major releases
Name: IK4005082 (3987) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: AC SURGE PROTECTOR FAULT (274) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the AC lightning protector is failed.		
<b>Impact:</b> No impact on service. The surge protection is inactive.		
<b>Remedial action:</b> Check for root cause and either replace surge protector or repair if possible.		

**Table 26-291 IK4005083 - DBU UNREADABLE MANUFACTURER DATA ATTACHED HW**

Alarm	Attributes	Applicable major releases
Name: IK4005083 (3988) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: DBU UNREADABLE MANUFACTURER DATA ATTACHED HW (263) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the manufacturer data of an attached HW (e.g. eAM or FAN)		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Reset the CB. Check the cable between controller and RUC. Call next level of support, replace RUC unit		

**Table 26-292 IK4005084 - DBU FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4005084 (4650) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: DBU FAULT 1 (258) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified DBU fault detected		
<b>Impact:</b> Check the additional information for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-293 IK4005085 - DBU FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4005085 (4651) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: DBU FAULT 2 (259) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified DBU fault detected		
<b>Impact:</b> Check the additional information for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-294 IK4005086 - SINGLE RECTIFIER FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4005086 (4652) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: SINGLE RECTIFIER FAILURE (275) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that one rectifier within the DC rectifier equipment has failed.		
<b>Impact:</b> Available DC power may be reduced depending on number of redundant rectifiers.		
<b>Remedial action:</b> Replace the failed rectifier.		

Table 26-295 IK4006001 - RFM SELF TEST CRITICAL FAIL

Alarm	Attributes	Applicable major releases
Name: IK4006001 (2353) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SELF TEST CRITICAL FAIL (276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the power-on self test detected a critical failure on the RFM. The alarm is cleared when the RFM is reset.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the alarm persists, replace RFM.		

Table 26-296 IK4006002 - RFM TXPORT1 OVERCURRENT

Alarm	Attributes	Applicable major releases
Name: IK4006002 (2354) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT1 OVERCURRENT (277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 1		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check For AISG device in critical alarm or failure mode.		

**Table 26-297 IK4006003 - RFM OPERATION PROCESSING FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4006003 (2355) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM OPERATION PROCESSING FAILURE (278) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the fault in the RFM software processing.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the problem persists, contact the next level support.		

**Table 26-298 IK4006004 - RFM SFP INCOMPATIBILITY CPRI PORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4006004 (2356) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRI PORT 1 (279) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this RFM SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the RFM.		

**Table 26-299 IK4006005 - RFM SFP INCOMPATIBILITY CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4006005 (2357) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRI PORT 2 (280) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this RFM SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the RFM.		

Table 26-300 IK4006006 - RFM COMM FAIL

Alarm	Attributes	Applicable major releases
Name: IK4006006 (2358) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM COMM FAIL (281) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no management messages are received in the past 30 seconds, or no active C and M TCP connection.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Check the RFM, Fiber, and SFPs. Reset the CB.		

Table 26-301 IK4006007 - RFM UNDER TEMP

Alarm	Attributes	Applicable major releases
Name: IK4006007 (2359) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM UNDER TEMP (282) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM is below the operating temperature, but is capable of transmitting.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-302 IK4006008 - RFM WARM UP

Alarm	Attributes	Applicable major releases
Name: IK4006008 (2360) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM WARM UP (283) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM temperature is too low to generate RF.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Check the RFM environment temperature. If RFM has just initialized then wait for it to warm up.		

**Table 26-303 IK4006009 - RFM OVER TEMP WARNING**

Alarm	Attributes	Applicable major releases
Name: IK4006009 (2361) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM OVER TEMP WARNING (284) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM is rising near the shutdown limit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the RFM environment temperature.		

**Table 26-304 IK4006010 - RFM CRITICAL TEMP**

Alarm	Attributes	Applicable major releases
Name: IK4006010 (2362) Type: environmentalAlarm (2) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM CRITICAL TEMP (285) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM temperature is above the operating limit and the transmitter has shut down in an attempt to reduce the temperature.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Check the RFM environment temperature.		

**Table 26-305 IK4006012 - RFM INIT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4006012 (2364) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM INIT FAILURE (287) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the FGPA download failure or unlocked PLLs. The evaluation occurs during initialization and the unit is not enabled.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the alarm persists, replace RFM.		



Table 26-306 IK4006013 - RFM SOFTWARE FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4006013 (2365) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SOFTWARE FAILURE (288) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the general software failures, including TCP/IP stack errors or TCP Allocate Packet errors. This alarm remains asserted for a minimum of 30 seconds.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> If the alarm does not clear in 30 seconds then reset the RFM. If the alarm persists, notify Alcatel-Lucent support.		

Table 26-307 IK4006014 - RFM SIGNAL QUALITY

Alarm	Attributes	Applicable major releases
Name: IK4006014 (2366) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL QUALITY (289) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM output spectrum is degraded, but the RF is still enabled.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module may not be operational.		
<b>Remedial action:</b> Reset the RFM, if the problem persists then replace the RFM.		

Table 26-308 IK4006016 - RFM SFP INCOMPATIBILITY CPRIPORT 3

Alarm	Attributes	Applicable major releases
Name: IK4006016 (2368) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM SFP INCOMPATIBILITY CPRIPORT 3 (291) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped SFP on the RFM doesn't allow to achieve the maximum CPRI rate allowed by SW.		
<b>Impact:</b> It is likely that the cell configuration can not be supported due to this RFM SFP HW restriction.		
<b>Remedial action:</b> The operator may update the SFP on the RFM.		

**Table 26-309 IK4006027 - RFM INPUT VOLTAGE FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4006027 (2378) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM INPUT VOLTAGE FAIL (301) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the input voltage is very high or very low.		
<b>Impact:</b> If the RRH is not usable, the associated LTE cells are not operational.		
<b>Remedial action:</b> Verify and correct the DC input voltage. If the alarm persists, replace the RFM.		

**Table 26-310 IK4006028 - RFM PWR CONVERTER FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4006028 (2379) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM PWR CONVERTER FAIL (302) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFM internal power converter has failed.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM, if the alarm persists, replace the RFM.		

**Table 26-311 IK4006029 - RFM CLOCK FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4006029 (2380) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM CLOCK FAILURE (303) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFM cannot derive proper clock signal from the incoming CPRI link.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Verify the CPRI connection and reset the RFM. If the problem persists then replace the RFM.		

Table 26-312 IK4006030 - RFM RF SYNTH FAIL

Alarm	Attributes	Applicable major releases
Name: IK4006030 (2381) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM RF SYNTH FAIL (304) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFM internal frequency synthesizer is out of lock.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the problem persists then replace the RFM.		

Table 26-313 IK4006039 - RFM UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major releases
Name: IK4006039 (2386) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: RFM UNREADABLE MANUFACTURER DATA (309) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the manufacturer data.		
<b>Impact:</b> Cells related to RRH are out of service.		
<b>Remedial action:</b> Reset the RFM. If the alarm persists contact the next level support.		

Table 26-314 IK4006042 - RFM DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4006042 (2387) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM DOWNLOAD FAILURE (310) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM software download failure.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the RFM to retry the download. If the problem persists, contact the next level support.		

**Table 26-315 IK4006075 - RFM BIST PARTIAL**

Alarm	Attributes	Applicable major releases
Name: IK4006075 (2394) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM BIST PARTIAL (311) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that at least one failure was detected during power on self-test, but the unit may still be functional, though in a degraded state.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Replace the RFM.		

**Table 26-316 IK4006085 - RFM EXTERNAL UNIT COMM FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4006085 (2404) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM EXTERNAL UNIT COMM FAIL (320) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of communication with external alarm or filter module.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check external module and cable, replace if necessary.		

**Table 26-317 IK4006158 - RFM ANT CAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4006158 (2477) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM ANT CAL FAILURE (382) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the antenna is out of calibration in a cell.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the antenna calibration.		

Table 26-318 IK4006159 - RFM ANT PERIODIC CAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4006159 (2478) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM ANT PERIODIC CAL FAILURE (383) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the antenna periodic calibration has failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the antenna calibration.		

Table 26-319 IK4006197 - RFM MESSAGE THROTTLING

Alarm	Attributes	Applicable major releases
Name: IK4006197 (2516) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: minor Specific problem: RFM MESSAGE THROTTLING (413) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM is generating too many messages over the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the RFM.		

Table 26-320 IK4006215 - RFM FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4006215 (3009) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: minor Specific problem: RFM FAULT 2 (415) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFM fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-321 IK4006216 - RFM FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4006216 (3010) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 3 (416) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFM fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-322 IK4006217 - RFM FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4006217 (3011) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 4 (417) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFM fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-323 IK4006218 - RFM FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4006218 (3012) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM FAULT 5 (418) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFM fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-324 IK4006219 - RFM UNREADABLE MANUFACTURER DATA ATTACHED HW**

Alarm	Attributes	Applicable major releases
Name: IK4006219 (3013) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM UNREADABLE MANUFACTURER DATA ATTACHED HW (419) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the inventory record of an attached hardware (e.g. RDEM).		
<b>Impact:</b> Cells related to RFM are out of service.		
<b>Remedial action:</b> Check the attached hardware.		

**Table 26-325 IK4006236 - RFM TTLNA1**

Alarm	Attributes	Applicable major releases
Name: IK4006236 (3014) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM TTLNA1 (420) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

**Table 26-326 IK4006237 - RFM TTLNA2**

Alarm	Attributes	Applicable major releases
Name: IK4006237 (3015) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM TTLNA2 (421) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

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Table 26-327 IK4006238 - RFM TTLNA3

Alarm	Attributes	Applicable major releases
Name: IK4006238 (3016) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA3 (422) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

Table 26-328 IK4006239 - RFM TTLNA4

Alarm	Attributes	Applicable major releases
Name: IK4006239 (3017) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA4 (423) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

Table 26-329 IK4006240 - RFM TTLNA5

Alarm	Attributes	Applicable major releases
Name: IK4006240 (3018) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA5 (424) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		



Table 26-330 IK4006241 - RFM TTLNA6

Alarm	Attributes	Applicable major releases
Name: IK4006241 (3019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA6 (425) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

Table 26-331 IK4006242 - RFM TTLNA7

Alarm	Attributes	Applicable major releases
Name: IK4006242 (3020) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA7 (426) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

Table 26-332 IK4006243 - RFM TTLNA8

Alarm	Attributes	Applicable major releases
Name: IK4006243 (3021) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM TTLNA8 (427) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> Check the tower-top amplifier.		

**Table 26-333 IK4006253 - RFM SIGNAL LOW PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4006253 (3031) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT1 (437) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-334 IK4006254 - RFM SIGNAL LOW PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4006254 (3032) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT2 (438) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-335 IK4006255 - RFM SIGNAL LOW PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4006255 (3033) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM SIGNAL LOW PORT3 (439) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-336 IK4006256 - RFM TRANS TX FAILURE PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4006256 (3034) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT1 (440) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the optical transceiver.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the RFM SFP		

**Table 26-337 IK4006257 - RFM TRANS TX FAILURE PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4006257 (3035) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT2 (441) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the optical transceiver.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the RFM SFP		

**Table 26-338 IK4006258 - RFM TRANS TX FAILURE PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4006258 (3036) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM TRANS TX FAILURE PORT3 (442) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of the optical transceiver.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Replace the RFM SFP		

**Table 26-339 IK4006259 - RFM BER PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4006259 (3037) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT1 (443) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-340 IK4006260 - RFM BER PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4006260 (3038) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT2 (444) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-341 IK4006261 - RFM BER PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4006261 (3039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM BER PORT3 (445) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-342 IK4006262 - RFM SIGNAL SDI PORT1

Alarm	Attributes	Applicable major releases
Name: IK4006262 (3040) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT1 (446) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM. If the alarm persists then reset the CB.		

Table 26-343 IK4006263 - RFM SIGNAL SDI PORT2

Alarm	Attributes	Applicable major releases
Name: IK4006263 (3041) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT2 (447) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM. If the alarm persists then reset the CB.		

Table 26-344 IK4006264 - RFM SIGNAL SDI PORT3

Alarm	Attributes	Applicable major releases
Name: IK4006264 (3042) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM SIGNAL SDI PORT3 (448) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset RFM. If the alarm persists then reset the CB.		

**Table 26-345 IK4006265 - RFM DL IDLE PATTERN MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4006265 (3043) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DL IDLE PATTERN MISMATCH (449) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that DL idle patterns are detected (delay calibration failure).		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Reset the RFM. If the alarm persists, call the next level of support.		

**Table 26-346 IK4006272 - RFM TX1 VSWR THRESH1**

Alarm	Attributes	Applicable major releases
Name: IK4006272 (3050) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX1 VSWR THRESH1 (314) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

**Table 26-347 IK4006273 - RFM TX2 VSWR THRESH1**

Alarm	Attributes	Applicable major releases
Name: IK4006273 (3051) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX2 VSWR THRESH1 (315) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 26-348 IK4006274 - RFM TX3 VSWR THRESH1

Alarm	Attributes	Applicable major releases
Name: IK4006274 (3052) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX3 VSWR THRESH1 (358) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 26-349 IK4006275 - RFM TX4 VSWR THRESH1

Alarm	Attributes	Applicable major releases
Name: IK4006275 (3053) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX4 VSWR THRESH1 (359) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

Table 26-350 IK4006276 - RFM TX5 VSWR THRESH1

Alarm	Attributes	Applicable major releases
Name: IK4006276 (3054) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX5 VSWR THRESH1 (360) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

**Table 26-351 IK4006277 - RFM TX6 VSWR THRESH1**

Alarm	Attributes	Applicable major releases
Name: IK4006277 (3055) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX6 VSWR THRESH1 (361) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

**Table 26-352 IK4006278 - RFM TX7 VSWR THRESH1**

Alarm	Attributes	Applicable major releases
Name: IK4006278 (3056) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX7 VSWR THRESH1 (362) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		

**Table 26-353 IK4006279 - RFM TX8 VSWR THRESH1**

Alarm	Attributes	Applicable major releases
Name: IK4006279 (3057) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TX8 VSWR THRESH1 (363) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> The antenna port return loss is below threshold.		
<b>Impact:</b> The eNodeB performance is low due to TX losses.		
<b>Remedial action:</b> Check the cabling between RFM output and antenna. Check the connection torque value between the RFM and the bulkhead.		



**Table 26-354 IK4006280 - RFM RF PATHS NOT AVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4006280 (3770) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM RF PATHS NOT AVAILABLE (450) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM is shared with another technology which has locked the RFM operation.		
<b>Impact:</b> Cells supported by this RFM are disabled while the alarm is set.		
<b>Remedial action:</b> Enable the RFM operation through the other technology OMC.		

**Table 26-355 IK4006281 - RFM INTERNAL RRH COMM FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4006281 (3651) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM INTERNAL RRH COMM FAIL (451) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Communication has failed between the two subunits that make up this RFM.		
<b>Impact:</b> The cell supported on this RFM is degraded or failed if any or all of its paths use antenna ports supported on the far subunit.		
<b>Remedial action:</b> Check the inter-subunit CPRI link and SFPs for failure check the far end subunit for failure. Reset the RFM if no physical failure is found.		

**Table 26-356 IK4006282 - RFM HW CONFIG MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4006282 (3652) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM HW CONFIG MISMATCH (452) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The two subunits that make up this RFM are not of the same type.		
<b>Impact:</b> Cells assigned to this RFM remain disabled until the fault is corrected.		
<b>Remedial action:</b> Replace one or both subunits so that they are both of the same type.		

**Table 26-357 IK4006283 - RFM HW ASSIGNMENT INDETERMINATE**

Alarm	Attributes	Applicable major releases
Name: IK4006283 (3653) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM HW ASSIGNMENT INDETERMINATE (453) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The two subunits that make up this RFM are both configured with the same subunit number.		
<b>Impact:</b> Cells assigned to this RFM remain disabled until the fault is corrected.		
<b>Remedial action:</b> Ensure that each RFM subunit has the proper connector to indicate that it is the first or the second subunit.		

**Table 26-358 IK4006284 - RFM ALD BUS OVERCURRENT**

Alarm	Attributes	Applicable major releases
Name: IK4006284 (3654) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM ALD BUS OVERCURRENT (454) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The AISG bus attached to this RFM is drawing too much DC electric current.		
<b>Impact:</b> TMAs or RETs connected to this RFM may not function properly, degrading receive path gain or preventing antenna tilt control.		
<b>Remedial action:</b> Ensure that the number of AISG devices and their individual current loads do not exceed the RFM limit. Check the AISG bus cable for short circuit, check for one or more failed AISG devices on the bus.		

**Table 26-359 IK4006285 - RFM LINK LOF PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4006285 (3655) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT1 (428) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-360 IK4006286 - RFM LINK LOF PORT2

Alarm	Attributes	Applicable major releases
Name: IK4006286 (3656) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT2 (429) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-361 IK4006287 - RFM LINK LOF PORT3

Alarm	Attributes	Applicable major releases
Name: IK4006287 (3657) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOF PORT3 (430) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-362 IK4006288 - RFM LINK LOS PORT1

Alarm	Attributes	Applicable major releases
Name: IK4006288 (3658) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT1 (431) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-363 IK4006289 - RFM LINK LOS PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4006289 (3659) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT2 (432) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-364 IK4006290 - RFM LINK LOS PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4006290 (3660) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK LOS PORT3 (433) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

**Table 26-365 IK4006291 - RFM LINK RAI PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4006291 (3661) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT1 (434) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-366 IK4006292 - RFM LINK RAI PORT2

Alarm	Attributes	Applicable major releases
Name: IK4006292 (3662) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT2 (435) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-367 IK4006293 - RFM LINK RAI PORT3

Alarm	Attributes	Applicable major releases
Name: IK4006293 (3663) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM LINK RAI PORT3 (436) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or CB end).		

Table 26-368 IK4006294 - RFM SELF TEST CRITICAL FAIL

Alarm	Attributes	Applicable major releases
Name: IK4006294 (3771) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM SELF TEST CRITICAL FAIL (276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the power-on self test detected a critical failure on the RFM. The alarm is cleared when the RFM is reset.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the alarm persists, replace RFM.		

**Table 26-369 IK4006295 - RFM ACCESS PANEL OPEN**

Alarm	Attributes	Applicable major releases
Name: IK4006295 (3772) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM ACCESS PANEL OPEN (455) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the access panel for the RFM maintenance port is open.		
<b>Impact:</b> No immediate impact, however this alarm could indicate unauthorized access to the RFM.		
<b>Remedial action:</b> Close the maintenance port access door.		

**Table 26-370 IK4006296 - RFM CELL DATA CONFLICT**

Alarm	Attributes	Applicable major releases
Name: IK4006296 (3773) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM CELL DATA CONFLICT (456) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFM is shared by two technologies and one technology controller has attempted to configure a cell on the RFM which conflicts in frequency or transmit power setting with an existing configured cell.		
<b>Impact:</b> The new cell which triggered the conflict is not activated. Any existing cells remain active.		
<b>Remedial action:</b> Change the cell settings (eARFCN assignment, downlink power setting) for the RFM so that they are compatible (cell frequencies do not overlap, cell frequency settings do not exceed the RFM bandwidth, etc.). Since this is a shared RFM, the cell settings may reside in different databases.		

**Table 26-371 IK4006297 - RF SETUP FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4006297 (3774) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RF SETUP FAULT (457) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFM is currently transmitting and has received a new carrier configuration request that requires a disruption to transmission.		
<b>Impact:</b> Carriers must be disabled to allow the RF retuning.		
<b>Remedial action:</b> Lock the carriers (both technologies if this is a shared RFM) to disable transmission, the RFM will retune and clear the alarm. Carriers may then be unlocked.		

**Table 26-372 IK4006298 - RFM DATA SYNCHRONIZATION FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4006298 (3775) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM DATA SYNCHRONIZATION FAULT (458) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM is shared by two technologies and one technology is transmitting CPRI data at a different rate than the other.		
<b>Impact:</b> There may be interruptions to the transmission of the non-LTE carriers when this alarm is present.		
<b>Remedial action:</b> Check the timing reference sources for both baseband units for failures.		

**Table 26-373 IK4006300 - RFM TXPORT1 OVERCURRENT**

Alarm	Attributes	Applicable major releases
Name: IK4006300 (3776) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT1 OVERCURRENT (277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 1		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check For AISG device in critical alarm or failure mode.		

**Table 26-374 IK4006301 - RFM TXPORT2 OVERCURRENT**

Alarm	Attributes	Applicable major releases
Name: IK4006301 (3777) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM TXPORT2 OVERCURRENT (459) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on Tx Port 2		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check For AISG device in critical alarm or failure mode.		

**Table 26-375 IK4006302 - RFM AISG PORT OVERCURRENT**

Alarm	Attributes	Applicable major releases
Name: IK4006302 (3778) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM AISG PORT OVERCURRENT (460) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the DC-Bias Current for AISG Devices was exceeded on RS-485 Port		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check For AISG device in critical alarm or failure mode.		

**Table 26-376 IK4006303 - RFM DC-BIAS OVERCURRENT**

Alarm	Attributes	Applicable major releases
Name: IK4006303 (3779) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM DC-BIAS OVERCURRENT (461) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the DC-Bias Current Source in the RFM exceeded the maximum threshold.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check that the number of ALDs device supported by the RFM are within the maximum number and/or none of them is in failure mode.		

**Table 26-377 IK4006304 - RRH DC POWER OFF**

Alarm	Attributes	Applicable major releases
Name: IK4006304 (4653) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RRH DC POWER OFF (462) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM DC power supply is off.		
<b>Impact:</b> The RFM is not usable. The LTE cells associated with this RFM are not operational.		
<b>Remedial action:</b> Check the DC power supply for failure, both internal and external to the RFM.		



Table 26-378 IK4006307 - RFM FAN1 FAILED

Alarm	Attributes	Applicable major releases
Name: IK4006307 (4654) Type: environmentalAlarm (2) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM FAN1 FAILED (463) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Fan 1 in the RFM has failed.		
<b>Impact:</b> The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
<b>Remedial action:</b> Replace the failed hardware.		

Table 26-379 IK4006308 - RFM FAN2 FAILED

Alarm	Attributes	Applicable major releases
Name: IK4006308 (4655) Type: environmentalAlarm (2) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: RFM FAN2 FAILED (464) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Fan 2 in the RFM has failed.		
<b>Impact:</b> The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
<b>Remedial action:</b> Replace the failed hardware.		

Table 26-380 IK4006309 - RFM BOTH FANS FAILED

Alarm	Attributes	Applicable major releases
Name: IK4006309 (4656) Type: environmentalAlarm (2) Package: Ite Raised on class: Ite.RFM	Severity: critical Specific problem: RFM BOTH FANS FAILED (465) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Both fans in the RFM have failed.		
<b>Impact:</b> The RFM temperature will rise, leading to transmit signal power or quality degradation and eventual shutdown, disabling all cells supported on this RFM.		
<b>Remedial action:</b> Replace the failed hardware.		

**Table 26-381 IK4007001 - BRC CC WARNING**

Alarm	Attributes	Applicable major releases
Name: IK4007001 (2533) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC CC WARNING (466) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BRC-CC reported a warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-382 IK4007002 - BRC UC FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4007002 (2534) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC UC FAILED (467) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the UeCallIP detected a no-response from BRC-UC.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> No action is required.		

**Table 26-383 IK4007003 - PCI POTENTIAL CONFUSION VICTIM**

Alarm	Attributes	Applicable major releases
Name: IK4007003 (5214) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: PCI POTENTIAL CONFUSION VICTIM (468) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates this eNB is potentially a victim of PCI confusion, it has multiple potential neighbor cells that have the same PCI as each other.		
<b>Impact:</b> Mobility procedure triggered in the cell may be directed to a wrong neighboring cell, leading to further call drops.		
<b>Remedial action:</b> The maintenance action has to be done in one of the neighbor eNBs. Note that here only a potential confusion is raised, meaning that there may be no impact. In case HO KPIs show an issue, this may be the cause. Then a manual intervention, is needed in one of the distant eNBs to solve the problem, by changing the PCI. If the Neighbours are confirmed to be real, then the confusion is detected as real and AutoPCI will try to solve the conflict on the actor side. In case it is not enabled or it cannot solve the conflict, major alarms are raised on both actor and victim sides.		

Table 26-384 IK4007004 - BRC UC WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007004 (2535) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BRC UC WARNING (469) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BRC-UC reported a warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-385 IK4007005 - CALLP MANAGER WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007005 (2536) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLP MANAGER WARNING (470) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallP Manager reports a warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-386 IK4007006 - CELL CALLP WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007006 (2537) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CELL CALLP WARNING (471) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that Cell CallP reports a warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-387 IK4007007 - RFTRACE ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007007 (5215) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE ACTIVATION FAILURE (472) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to activate a new RF trace recording session.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-388 IK4007008 - RFTRACE COLLECTION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007008 (2538) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE COLLECTION FAILURE (473) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to collect RF trace data.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-389 IK4007009 - MCE SESSION PREEMPTION INDICATION**

Alarm	Attributes	Applicable major releases
Name: IK4007009 (5216) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: MCE SESSION PREEMPTION INDICATION (474) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that one or several sessions have been pre-empted (suspended for the considered MbsfnArea) in order to admit a higher priority session.		
<b>Impact:</b> One or several eMBMS sessions are suspended in the considered MbsfnArea.		
<b>Remedial action:</b> No action is required.		

Table 26-390 IK4007010 - MCE SESSION RESUME INDICATION

Alarm	Attributes	Applicable major releases
Name: IK4007010 (2539) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: MCE SESSION RESUME INDICATION (475) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that one or several sessions previously pre-empted have been resumed (resumed for the considered MbsfnArea).		
<b>Impact:</b> One or several eMBMS sessions are resumed in the considered MbsfnArea.		
<b>Remedial action:</b> No action is required.		

Table 26-391 IK4007011 - PCI CONFUSION VICTIM

Alarm	Attributes	Applicable major releases
Name: IK4007011 (2540) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION VICTIM (476) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates this cell is victim of PCI confusion, it has multiple real neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem.		
<b>Impact:</b> Mobility procedure triggered in the cell may be directed to a wrong neighboring cell, leading to further call drops.		
<b>Remedial action:</b> The maintenance action has to be done in one of the neighbor eNBs. If AutoPCI is not activated in these eNBs, then the manual intervention consists in changing the PCI. If AutoPCI is activated in these eNBs, then the manual intervention consists in changing some constraints (e.g. increase the pciAllowedList)		

Table 26-392 IK4007012 - VERY HIGH RACH ARRIVAL RATE

Alarm	Attributes	Applicable major releases
Name: IK4007012 (2541) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: VERY HIGH RACH ARRIVAL RATE (477) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNB has triggered Access Class Barring in a cell due to RACH overload.		
<b>Impact:</b> RACH overload can lead to increase UL interference. Access Class Barring is being triggered with the expectation that UL interference will be under control once Access Class Barring kicks in.		
<b>Remedial action:</b> No action is required.		

**Table 26-393 IK4007013 - RFTRACE INVALID PARAMETER**

Alarm	Attributes	Applicable major releases
Name: IK4007013 (2542) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RFTRACE INVALID PARAMETER (478) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the parameter received for RF trace is invalid.		
<b>Impact:</b> RF Trace session is de-activated.		
<b>Remedial action:</b> No action is required.		

**Table 26-394 IK4007014 - M3AP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007014 (5217) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M3AP FAILURE (479) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> For the session identified by tmgi, the MCE has detected inconsistent or unsupported value of M3AP session parameters.		
<b>Impact:</b> The eMBMS session is not processed correctly.		
<b>Remedial action:</b> No action is required.		

**Table 26-395 IK4007015 - CAC FAILURE BEGIN**

Alarm	Attributes	Applicable major releases
Name: IK4007015 (5218) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE BEGIN (480) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallP reported a CAC failure.		
<b>Impact:</b> Some calls are rejected.		
<b>Remedial action:</b> No action is required.		

Table 26-396 IK4007016 - CAC FAILURE END

Alarm	Attributes	Applicable major releases
Name: IK4007016 (5219) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE END (481) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallP reported the expiration of the monitoring time interval timer.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-397 IK4007017 - CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL

Alarm	Attributes	Applicable major releases
Name: IK4007017 (5220) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL (482) Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that an internal communication issue has been met for multiple UEs on this cell during the UE Setup procedure.		
<b>Impact:</b> LTE traffic is interrupted on this cell.		
<b>Remedial action:</b> Lock and then unlock the lteCell. If this fails to clear the fault then lock and unlock the modem (BB) board.		

Table 26-398 IK4007018 - PCI CONFUSION NEIGHB CELLS

Alarm	Attributes	Applicable major releases
Name: IK4007018 (5221) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: PCI CONFUSION NEIGHB CELLS (483) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates this eNB is a victim of PCI confusion, it has multiple neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem. This issue may affect mobility procedures in any of the eNodeB cells.		
<b>Impact:</b> Mobility procedure triggered in the cell may be directed to a wrong neighboring cell, leading to further call drops.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The maintenance action has to be done in one of the neighbour eNBs. The issue is also reported by Alarms in these eNBs. If the automatic PCI allocation is activated in these eNBs: (1) If a Warning Alarm is raised, the issue will be automatically solved in the next maintenance window; (2) If a Major Alarm is raised, the issue cannot be automatically solved. It is necessary to increase the list of allowed PCI values, and the issue will be automatically solved in the next maintenance window. If the automatic PCI allocation is not activated in these eNBs: A Major Alarm is raised. It is necessary to change the PCI value of one of the actor cell of the issue.		

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Table 26-399 IK4007019 - UBM FAILED

Alarm	Attributes	Applicable major releases
Name: IK4007019 (2543) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: UBM FAILED (484) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a non-response of UBM entity detected by UeCallIP.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> No action is required.		

Table 26-400 IK4007020 - PCI CONFUSION

Alarm	Attributes	Applicable major releases
Name: IK4007020 (5222) Type: operationalViolation (93) Package: Ite Raised on class: Ite.Cell	Severity: major Specific problem: PCI CONFUSION (485) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a PCI confusion between the cell and a neighbour cell of a neighbour cell. A manual intervention is needed to solve the problem. This can happen in the following cases: (1) The conflict could not be solved autonomously by the eNB; (2) The automatic PCI allocation is not activated.		
<b>Impact:</b> Mobility procedure triggered in the neighbour cell may be directed to a wrong neighboring cell, leading to further call drops. The list of potentially victim eNBs is displayed.		
<b>Remedial action:</b> If the automatic PCI allocation is activated: Increase the list of allowed PCI values, either for the local or for the distant eNodeB; If the automatic PCI allocation is not activated: Change the PCI value, either for the local or the distant cell.		



Table 26-401 IK4007021 - UE CALLP WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007021 (2544) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UE CALLP WARNING (486) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a warning reported by UeCallP.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-402 IK4007022 - MME S1 SETUP FAILURE RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007022 (2545) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: MME S1 SETUP FAILURE RESPONSE (487) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a persistent S1_SETUP_FAILURE_RESPONSE from MME detected by CallIPMgr.		
<b>Impact:</b> If S1 flex is available, the eNodeB performance is low. If the S1 flex is not available, the eNodeB service is not possible.		
<b>Remedial action:</b> Check the behavior of the MME.		

Table 26-403 IK4007023 - MME S1 SETUP NO RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007023 (2546) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: MME S1 SETUP NO RESPONSE (488) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a persistent NO_RESPONSE from MME detected by CallIPMgr.		
<b>Impact:</b> If S1 flex is available, the eNodeB performance is low. If the S1 flex is not available, the eNodeB service is not possible.		
<b>Remedial action:</b> Check the behavior of the MME.		

**Table 26-404 IK4007024 - TIME FOR SESSION START STOP or UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4007024 (5223) Type: integrityViolation (85) Package: Ite Raised on class: Ite.Mce	Severity: variable Specific problem: TIME FOR SESSION START STOP or UPDATE (489) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that there is no absolute time has been provided in any received M3 MBMS Session Start Request, M3 MBMS Session Stop Request or M3 MBMS Session Update Request message.		
<b>Impact:</b> MbsfnArea allocation inconsistency might occur		
<b>Remedial action:</b> No action is required.		

**Table 26-405 IK4007025 - IMMEDIATE LOAD CONTROL BEGIN**

Alarm	Attributes	Applicable major releases
Name: IK4007025 (5224) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: IMMEDIATE LOAD CONTROL BEGIN (490) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicate that immediate load control procedure begins.		
<b>Impact:</b> No impact		
<b>Remedial action:</b> No action is required.		

**Table 26-406 IK4007026 - ENB CANDIDATE X2 SETUP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007026 (2547) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.X2Access	Severity: critical Specific problem: ENB CANDIDATE X2 SETUP FAILURE (491) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a persistent X2_SETUP_FAILURE from eNodeB_CAND IDATE detected by CallPmgr.		
<b>Impact:</b> The service is available, even with no X2 established, but the eNodeB performance is low.		
<b>Remedial action:</b> Check the behavior of the candidate eNodeB. If the alarm persists, check provisioning of the initiating and candidate eNodeBs.		

Table 26-407 IK4007027 - ENB CANDIDATE X2 SETUP NO RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007027 (2548) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: critical Specific problem: ENB CANDIDATE X2 SETUP NO RESPONSE (492) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a persistent NO_RESPONSE from eNodeB_CAND IDATE detected by CallMgr.		
<b>Impact:</b> The service is available, even with no X2 established, but the eNodeB performance is low.		
<b>Remedial action:</b> Check the behavior of the candidate eNodeB. If the alarm persists, check provisioning of the initiating and candidate eNodeBs.		

Table 26-408 IK4007028 - IMMEDIATE LOAD CONTROL END

Alarm	Attributes	Applicable major releases
Name: IK4007028 (5225) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: IMMEDIATE LOAD CONTROL END (493) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicate that immediate load control procedure ends.		
<b>Impact:</b> No impact		
<b>Remedial action:</b> No action is required.		

Table 26-409 IK4007029 - TELECOM SW FAILURE AT ENB

Alarm	Attributes	Applicable major releases
Name: IK4007029 (5226) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: TELECOM SW FAILURE AT ENB (494) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm will trigger all MAS reset, and cell disable on all cells before restarting all MAS and all cells.		
<b>Impact:</b> Cells are down during cell recovery procedure		
<b>Remedial action:</b> No action required. Cells will be deleted and rebuilt automatically		

Table 26-410 IK4007045 - ENB X2 SETUP REQ RESP FAIL UNKNOWN X2 ACCESS ID

Alarm	Attributes	Applicable major releases
Name: IK4007045 (2549) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB X2 SETUP REQ RESP FAIL UNKNOWN X2 ACCESS ID (495) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The eNodeB is implementing a check for future IOT. Common message like X2SAP X2 SETUP REQUEST/RESPONSE/FAILURE are received on a known X2 Access Id. If an unsolicited X2SAP X2 SETUP REQUEST message is received on an unknown X2 Access Id, the eNodeB answers with a X2SAP SETUP FAILURE and raises the event. If an unsolicited X2SAP X2 SETUP RESPONSE/FAILURE message is received on an unknown X2 ACCESS Id the eNodeB ignores the message and raises the event.		
<b>Impact:</b> If multiple X2 are available, the eNodeB performance is low. If an X2 is present, the eNodeB service is not available.		
<b>Remedial action:</b> No action is required.		

Table 26-411 IK4007046 - ANR X2IP ADDR RETRIEVAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007046 (2550) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: major Specific problem: ANR X2IP ADDR RETRIEVAL FAILURE (496) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the X2 IP address retrieval failure. When this alarm is raised, X2TransportLayerAccess is {Disabled, Failed} (and X2Access {Disabled, dependency}).		
<b>Impact:</b> The X2 link is not established until an IP address is assigned.		
<b>Remedial action:</b> Set the IP address manually.		

Table 26-412 IK4007052 - CALLTRACE ACTIVATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007052 (2552) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CALLTRACE ACTIVATION FAILURE (498) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to activate a new trace recording session.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-413 IK4007053 - CALLTRACE SIGN TRACE STOPPED BY MGT TRACE

Alarm	Attributes	Applicable major releases
Name: IK4007053 (2553) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE SIGN TRACE STOPPED BY MGT TRACE (499) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the signaling based trace session is stopped when eNodeB received a management based trace session activation request.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-414 IK4007054 - CALLTRACE COLLECTION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007054 (2554) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE COLLECTION FAILURE (500) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to collect trace data.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-415 IK4007055 - CALLTRACE INVALID PARAMETER

Alarm	Attributes	Applicable major releases
Name: IK4007055 (2555) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE INVALID PARAMETER (501) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This even indicates the parameter received for call trace is invalid.		
<b>Impact:</b> Call Trace session is de-activated.		
<b>Remedial action:</b> No action is required.		

**Table 26-416 IK4007056 - DSIM CELL AUTO BARRED**

Alarm	Attributes	Applicable major releases
Name: IK4007056 (2556) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: DSIM CELL AUTO BARRED (502) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell is auto-barred. If Dynamic Sysinfo Modification feature activated and MIM parameter lteCell.cellBarred set to 'notBarredAutoBarrable', the cell is auto-barred due to S1 service loss. This alarm is cleared when the cell is auto-unbarred due to S1 service recovery. When this alarm is raised, the related lteCell instance is {Enabled, Off-duty}.		
<b>Impact:</b> The cell cannot provide service as the cell is barred from use.		
<b>Remedial action:</b> Resolve the S1 faults and restore S1 service.		

**Table 26-417 IK4007057 - MME S1AP COMMON MESSAGE BAD ROUTING**

Alarm	Attributes	Applicable major releases
Name: IK4007057 (2557) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1AP COMMON MESSAGE BAD ROUTING (503) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the UeCallIp was routed a non-UE associated message.		
<b>Impact:</b> The UeCallIP discards the non-UE associated message.		
<b>Remedial action:</b> No action is required.		

**Table 26-418 IK4007058 - MME S1AP DEDICATED MESSAGE BAD ROUTING**

Alarm	Attributes	Applicable major releases
Name: IK4007058 (2558) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1AP DEDICATED MESSAGE BAD ROUTING (504) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallPmgr was routed an UE associated message, that was therefore discarded.		
<b>Impact:</b> The CallIPMgr discards the UE associated message.		
<b>Remedial action:</b> No action is required.		

Table 26-419 IK4007059 - ENB X2AP MESSAGE MISMATCH

Alarm	Attributes	Applicable major releases
Name: IK4007059 (2559) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2AP MESSAGE MISMATCH (505) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the fault when X2AP message including 'served cell info' is received. CallP cross-checks in the MIM neighboring cells relating to a remote eNodeB with list of served cells received from the current eNodeB. This fault can be triggered upon reception of X2AP X2 SETUP REQUEST, X2AP X2 SETUP RESPONSE or X2AP ENB CONFIGURATION UPDATE. This event is not used when ANR is activated because the cross-check is not performed.		
<b>Impact:</b> The eNodeB performance is low. The ENB configurations are not coherent. The callP uses MIM data for mobility that leads to handover failures.		
<b>Remedial action:</b> No action is required.		

Table 26-420 IK4007071 - L1L2 SYS INFO REFUSED

Alarm	Attributes	Applicable major releases
Name: IK4007071 (2571) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 SYS INFO REFUSED (506) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the BB L1/L2 entity rejected system information broadcast.		
<b>Impact:</b> The LTE service is not possible on the affected cell if the initial sets of sysinfo is refused.		
<b>Remedial action:</b> 1 - lock the cell. 2- correct the wrong configuration value. 3- unlock the cell.		

Table 26-421 IK4007072 - L1L2 SYS INFO TIMEOUT

Alarm	Attributes	Applicable major releases
Name: IK4007072 (2572) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 SYS INFO TIMEOUT (507) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a no-response from BB L1/L2 entity detected during the system information broadcast procedure.		
<b>Impact:</b> The LTE service is not possible on the affected cell.		
<b>Remedial action:</b> Lock and unlock the Cell. If the alarm persists, call the next level of support.		

**Table 26-422 IK4007073 - L1L2 CONFIG ERROR CELL SETUP**

Alarm	Attributes	Applicable major releases
Name: IK4007073 (2573) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR CELL SETUP (508) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a configuration error from BB L1/L2 entity detected during the Cell Setup procedure.		
<b>Impact:</b> The LTE service is not possible on the affected cell.		
<b>Remedial action:</b> Verify and correct the configuration data in the LTE CELL or CELL CONF.		

**Table 26-423 IK4007074 - L1L2 CELL SETUP REFUSED**

Alarm	Attributes	Applicable major releases
Name: IK4007074 (2574) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CELL SETUP REFUSED (509) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the BB L1/L2 entity rejected the cell setup.		
<b>Impact:</b> The LTE service is not possible on the affected cell.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-424 IK4007075 - L1L2 CELL SETUP TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4007075 (2575) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CELL SETUP TIMEOUT (510) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a no-response from BB L1/L2 entity detected during the Cell Setup procedure .		
<b>Impact:</b> The LTE service is not possible on the affected cell.		
<b>Remedial action:</b> Lock and unlock the cell. If the alarm persists, call the next level of support.		



Table 26-425 IK4007079 - L1L2 CONFIG ERROR SYS INFO

Alarm	Attributes	Applicable major releases
Name: IK4007079 (2579) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR SYS INFO (514) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates configuration error from BB L1/L2 entity detected during system information broadcast.		
<b>Impact:</b> The LTE service is not possible on the affected cell.		
<b>Remedial action:</b> Verify and correct the configuration data in the LTE CELL or CELL CONF.		

Table 26-426 IK4007080 - CAC FAILURE BEGIN

Alarm	Attributes	Applicable major releases
Name: IK4007080 (2580) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE BEGIN (480) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates that CallP reported a CAC failure.		
<b>Impact:</b> Some calls are rejected.		
<b>Remedial action:</b> No action is required.		

Table 26-427 IK4007081 - CAC FAILURE END

Alarm	Attributes	Applicable major releases
Name: IK4007081 (2581) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CAC FAILURE END (481) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates that CallP reported the expiration of the monitoring time interval timer.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-428 IK4007082 - L1L2 CONFIG MEAS FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007082 (2582) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: L1L2 CONFIG MEAS FAILURE (515) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that Measurement Configuration failed at L1/L2 entity level.		
<b>Impact:</b> No impact on eNodeB. Radio Access Control evolution feature not activated.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-429 IK4007083 - PCI COLLISION DETECTED UNDER RESOLUTION**

Alarm	Attributes	Applicable major releases
Name: IK4007083 (2583) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: PCI COLLISION DETECTED UNDER RESOLUTION (516) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a PCI collision between the cell and a neighbour one. The eNodeB attempts for a resolution.		
<b>Impact:</b> Interference in reference signal of conflicting cells, preventing potentially Ues to select these cells.		
<b>Remedial action:</b> If the alarm persists, call the next level of support.		

**Table 26-430 IK4007084 - PCI COLLISION DETECTED**

Alarm	Attributes	Applicable major releases
Name: IK4007084 (2584) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI COLLISION DETECTED (517) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a PCI collision between the cell and a neighbour one, or between the cell and another one of the same eNB. A manual intervention is needed to solve the problem. This can happen in the following cases: - The conflict could not be solved autonomously by the eNB; - The automatic PCI allocation is not activated		
<b>Impact:</b> Interference in reference signal of conflicting cells, preventing potentially Ues to select these cells.		
<b>Remedial action:</b> Increase the list of allowed PCI values, either for the local or for the distant eNodeB when the other contributor is distant.		

Table 26-431 IK4007085 - PCI CONFUSION DETECTED UNDER RESOLUTION

Alarm	Attributes	Applicable major releases
Name: IK4007085 (2585) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: PCI CONFUSION DETECTED UNDER RESOLUTION (518) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a PCI confusion between the cell and a neighbour one. The eNodeB attempts for a resolution.		
<b>Impact:</b> Mobility procedure triggered in the cell is directed to a wrong neighboring cell, leading to further call drops.		
<b>Remedial action:</b> If the alarm persists, call the next level of support.		

Table 26-432 IK4007088 - ENB X2 COMMON MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major releases
Name: IK4007088 (2588) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 COMMON MESSAGE BAD ROUTING (519) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a X2-AP non-UE associated message is routed to UeCallP.		
<b>Impact:</b> The X2-AP non-UE associated message is not processed and is discarded by UeCallP.		
<b>Remedial action:</b> No action is required.		

Table 26-433 IK4007089 - ENB X2 DEDICATED MESSAGE BAD ROUTING

Alarm	Attributes	Applicable major releases
Name: IK4007089 (2589) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 DEDICATED MESSAGE BAD ROUTING (520) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a X2-AP UE associated message is routed to CallPMgr.		
<b>Impact:</b> The X2-AP UE associated message is not processed and is discarded by CallPMgr.		
<b>Remedial action:</b> No action is required.		

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Table 26-434 IK4007091 - PCI DETECTION OF INTERFERENCE

Alarm	Attributes	Applicable major releases
Name: IK4007091 (2590) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI DETECTION OF INTERFERENCE (521) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the PCI interference.		
<b>Impact:</b> Interference in reference signal of conflicting cells. Impacts UE performance in the cells.		
<b>Remedial action:</b> Increase the list of allowed PCI values for the serving eNodeB. The eNodeB must be able to allocate PCIs that are different modulo 3 for its cells (or for a cell and 2 co-sector cells), so the 3 values of PCI mod 3 must be present in the list of allowed PCI values. In case all the cells of a site raise an Interference alarm, check the configuration as it may inform about a site configuration error (too many cells in a site, wrong omni or cell azimuth in a site).		

Table 26-435 IK4007092 - PCI ASSIGNMENT

Alarm	Attributes	Applicable major releases
Name: IK4007092 (2591) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: PCI ASSIGNMENT (522) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the PCI of the cell is assigned or re-assigned by the eNodeB during eNodeB startup.		
<b>Impact:</b> The Cell is running with a new PCI. The new value will be synched up to SAM shortly.		
<b>Remedial action:</b> No action is required.		

Table 26-436 IK4007093 - ANR SERVED CELL INFO NOT HANDLED

Alarm	Attributes	Applicable major releases
Name: IK4007093 (2592) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ANR SERVED CELL INFO NOT HANDLED (523) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the served cell and neighbor cell information received over X2 interface is not handled, because internal eNodeB tables reached the dimensioning limits.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-437 IK4007094 - ENB CANDIDATE X2 ENB CONFIGURATION UPDATE FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007094 (2593) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB CANDIDATE X2 ENB CONFIGURATION UPDATE FAILURE (524) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a persistent X2_ENB_CONFIGURATION_UPDATE_FAILURE message from eNB_Candidate eNodeB2 network element detected by CallpMgr.		
<b>Impact:</b> The service is degraded (with multiple X2s). The service is no longer available (without multiple X2s).		
<b>Remedial action:</b> No action is required.		

Table 26-438 IK4007095 - ENB CANDIDATE X2 ENB CONFIGURATION UPDATE NO RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007095 (2594) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB CANDIDATE X2 ENB CONFIGURATION UPDATE NO RESPONSE (525) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a persistent NO_RESPONSE from eNodeB_CAND IDATE eNodeB2 network element detected by CallpMgr.		
<b>Impact:</b> The service is degraded (with multiple X2s). The service is no longer available (without multiple X2s).		
<b>Remedial action:</b> No action is required.		

Table 26-439 IK4007096 - MME S1 ENB CONFIGURATION UPDATE FAILURE RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007096 (2595) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1 ENB CONFIGURATION UPDATE FAILURE RESPONSE (526) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a persistent S1_ENB_CONFIGURATION_UPDATE_FAILURE_RESPONSE from MME network element detected by CallpMgr.		
<b>Impact:</b> The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
<b>Remedial action:</b> No action is required.		

Table 26-440 IK4007097 - MME S1 ENB CONFIGURATION UPDATE NO RESPONSE

Alarm	Attributes	Applicable major releases
Name: IK4007097 (2596) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1 ENB CONFIGURATION UPDATE NO RESPONSE (527) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a persistent NO_RESPONSE from MME network element detected by CallPmgr.		
<b>Impact:</b> The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
<b>Remedial action:</b> No action is required.		

Table 26-441 IK4007098 - INCONSISTENT IP ADDRESS

Alarm	Attributes	Applicable major releases
Name: IK4007098 (2597) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: INCONSISTENT IP ADDRESS (528) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP address attached to X2TransportLayerAccess instance depending on the X2Access instance is not correct.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-442 IK4007099 - GERAN SYS INFO TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007099 (2598) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: GERAN SYS INFO TRANSFER INITIATION REPORT FAILURE (529) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that CallPmgr does not manage to retrieve the system information (SI/PSI) of a target GERAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide SI/PSI of the target GERAN Cell identified in the Cell Change Order command sent to the UE.		
<b>Remedial action:</b> Check for the proper functioning of the following: 1. GERAN cell provisioning; 2. RIM support for MME and SGSN; 3. IP routing path between eNodeB S1 interface IP endpoint and target BSC.		

Table 26-443 IK4007100 - GERAN SYS INFO TRANSFER STOP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007100 (2599) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: GERAN SYS INFO TRANSFER STOP FAILURE (530) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallIP does not manage to stop event-driven system information (SI/PSI) of a target GERAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
<b>Impact:</b> No impact on service.		
<b>Remedial action:</b> No action is required.		

Table 26-444 IK4007101 - GERAN SYS INFO UPDATE END

Alarm	Attributes	Applicable major releases
Name: IK4007101 (2600) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: GERAN SYS INFO UPDATE END (531) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB CallIP has received RIM RAN-INFORMATION/end message from a target BSC indicating that event-driven system information update for a target GERAN cell has been stopped.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide SI/PSI of the target GERAN cell identified in Cell Change Order command sent to the UE.		
<b>Remedial action:</b> No action is required.		

Table 26-445 IK4007102 - RAN INFORMATION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4007102 (2601) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: RAN INFORMATION ERROR (532) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that there is an error in RIM container IE when eNodeB receive RIM message from peer node or RAN-INFORMATION-ERROR message is received from peer node.		
<b>Impact:</b> This is an IOT issue.		
<b>Remedial action:</b> No action is required.		

**Table 26-446 IK4007103 - RAN INFORMATION APPLICATION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4007103 (2602) Type: communicationsAlarm (4) Package: lte Raised on class: lte.BscAccess	Severity: variable Specific problem: RAN INFORMATION APPLICATION ERROR (533) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates there is an error in application container IE or there is application error container IE when eNodeB receive RIM message from peer node.		
<b>Impact:</b> This is an IOT issue.		
<b>Remedial action:</b> No action is required.		

**Table 26-447 IK4007104 - CELL SETUP ARP TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4007104 (2603) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL SETUP ARP TIMEOUT (534) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a non-response to an ARP resolution request detected during the Cell Setup procedure.		
<b>Impact:</b> lteCell configuration is not possible.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-448 IK4007105 - L1L2 CONFIG REFUSED CELL DELETE**

Alarm	Attributes	Applicable major releases
Name: IK4007105 (2604) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL DELETE (535) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the cell deletion for logical cell resetting procedure is rejected by the BB entity.		
<b>Impact:</b> The service is not possible on this BB		
<b>Remedial action:</b> Lock then unlock the BB.		



Table 26-449 IK4007106 - L1L2 CONFIG TIMEOUT CELL DELETE

Alarm	Attributes	Applicable major releases
Name: IK4007106 (2605) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL DELETE (536) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a non-response from BB entity for cell deletion in the logical cell resetting procedure.		
<b>Impact:</b> The service is not possible on this BB		
<b>Remedial action:</b> Lock then unlock the BB.		

Table 26-450 IK4007107 - CELL CLEAN UP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007107 (2606) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: CELL CLEAN UP FAILURE (537) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a cell deletion failure when cell clean-up is triggered by lteCell instance deletion online, parameter update or when software failure happens		
<b>Impact:</b> The service is not possible on this BB		
<b>Remedial action:</b> Lock then unlock the BB.		

Table 26-451 IK4007108 - ENB X2 PLMN INCONSISTENCY

Alarm	Attributes	Applicable major releases
Name: IK4007108 (2607) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: ENB X2 PLMN INCONSISTENCY (538) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates an inconsistency between the PLMN ID of Global eNB ID, Served Cell Information or Neighbour Information received from candidate eNB in X2AP message (X2 SETUP REQUEST, X2 SETUP RESPONSE, ENB CONFIGURATION UPDATE) and local eNodeB's PLMN ID.		
<b>Impact:</b> Handover to the remote eNodeB is restricted.		
<b>Remedial action:</b> No action is required.		

**Table 26-452 IK4007109 - L1L2 CONFIG ERROR CELL UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4007109 (2608) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG ERROR CELL UPDATE (539) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a configuration error detected by BB entity for the cell update procedure.		
<b>Impact:</b> The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
<b>Remedial action:</b> Check and correct the wrong parameter.		

**Table 26-453 IK4007110 - L1L2 CONFIG REFUSED CELL UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4007110 (2609) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL UPDATE (540) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a cell update is refused by the BB entity.		
<b>Impact:</b> The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-454 IK4007111 - L1L2 CONFIG TIMEOUT CELL UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4007111 (2610) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL UPDATE (541) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a non-response by the BB entity to the cell update procedure.		
<b>Impact:</b> The LTE service is affected on this cell. If power settings were changed, inconsistency between SIBs broadcast to UEs and modem power settings configuration can exist.		
<b>Remedial action:</b> Lock and unlock the cell. If the alarm persists. Call the next level of support.		

**Table 26-455 IK4007112 - MME S1 SETUP REQUEST NOT SENT**

Alarm	Attributes	Applicable major releases
Name: IK4007112 (2611) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.MmeAccess	Severity: critical Specific problem: MME S1 SETUP REQUEST NOT SENT (542) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the S1 Setup Request has not been sent because of an internal problem.		
<b>Impact:</b> The service is degraded (with S1 flex). The service is no longer available (without S1 flex).		
<b>Remedial action:</b> Check the parameters.		

**Table 26-456 IK4007113 - L1L2 CONFIG ERROR CELL MBMS SCHEDULING INFO**

Alarm	Attributes	Applicable major releases
Name: IK4007113 (2612) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: L1L2 CONFIG ERROR CELL MBMS SCHEDULING INFO (543) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Cell MBMS scheduling info is rejected by the BB entity because of a configuration error.		
<b>Impact:</b> The MBMS service is not possible on this cell.		
<b>Remedial action:</b> Check the parameters.		

**Table 26-457 IK4007114 - L1L2 CONFIG REFUSED CELL MBMS SCHEDULING INFO**

Alarm	Attributes	Applicable major releases
Name: IK4007114 (2613) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: L1L2 CONFIG REFUSED CELL MBMS SCHEDULING INFO (544) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Cell MBMS scheduling info is refused by the BB entity.		
<b>Impact:</b> The MBMS service is not possible on this cell.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-458 IK4007115 - L1L2 CONFIG TIMEOUT CELL MBMS SCHEDULING INFO**

Alarm	Attributes	Applicable major releases
Name: IK4007115 (2614) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: L1L2 CONFIG TIMEOUT CELL MBMS SCHEDULING INFO (545) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a non-response by the BB entity to the Cell MBMS scheduling info procedure.		
<b>Impact:</b> The MBMS service is not possible on this cell.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-459 IK4007116 - BB DELAY CONFIG FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007116 (2615) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: BB DELAY CONFIG FAILURE (546) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modification of delays requiring BB to be reset so to use new values.		
<b>Impact:</b> The service is not possible on this BB.		
<b>Remedial action:</b> Reset the BB.		

**Table 26-460 IK4007117 - CALLTRACE SIGN BASED STOPPED BY DDT**

Alarm	Attributes	Applicable major releases
Name: IK4007117 (3058) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: CALLTRACE SIGN BASED STOPPED BY DDT (547) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the signaling based trace session is stopped when eNodeB received a dynamic debug trace session activation request.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-461 IK4007118 - DYNAMIC DEBUG TRACE ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007118 (3059) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DYNAMIC DEBUG TRACE ACTIVATION FAILURE (548) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the dynamic debug trace activation failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-462 IK4007119 - DYNAMIC DEBUG TRACE INVALID PARAMETER**

Alarm	Attributes	Applicable major releases
Name: IK4007119 (3060) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DYNAMIC DEBUG TRACE INVALID PARAMETER (549) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the dynamic debug trace parameters are invalid.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-463 IK4007120 - NO RRC CONNECTIONS DETECTED FOR A PERIOD**

Alarm	Attributes	Applicable major releases
Name: IK4007120 (3061) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: NO RRC CONNECTIONS DETECTED FOR A PERIOD (550) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no RRC connection has been setup for a period (no new connections, no re-establishments and no incoming handovers). This period is configurable per Cell.		
<b>Impact:</b> It is possible that RRC connections are being attempted but an error is not allowing any to be completed		
<b>Remedial action:</b> Check the configurable period and the hours this alarm is raised. If configurable period is long enough such that some connections should have been established, please call the next level of support.		

Table 26-464 IK4007121 - BB FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007121 (3062) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 (72) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-465 IK4007122 - BB FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4007122 (3063) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 (73) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-466 IK4007123 - BB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4007123 (3064) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 3 (74) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-467 IK4007124 - BB EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4007124 (3065) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 1 (551) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-468 IK4007125 - BB EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4007125 (3066) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 2 (552) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-469 IK4007126 - BB EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4007126 (3067) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB EVENT 3 (553) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-470 IK4007127 - BSC\_ACCESS FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007127 (3068) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 1 (554) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BSC Access fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-471 IK4007128 - BSC\_ACCESS FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4007128 (3069) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 2 (555) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BSC Access fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-472 IK4007129 - BSC\_ACCESS FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4007129 (3070) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BscAccess	Severity: minor Specific problem: BSC_ACCESS FAULT 3 (556) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BSC Access fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		



Table 26-473 IK4007130 - BSC\_ACCESS EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4007130 (3071) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 1 (557) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-474 IK4007131 - BSC\_ACCESS EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007131 (3072) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 2 (558) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-475 IK4007132 - BSC\_ACCESS EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007132 (3073) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BscAccess	Severity: variable Specific problem: BSC_ACCESS EVENT 3 (559) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-476 IK4007134 - CELL FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4007134 (3075) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: minor Specific problem: CELL FAULT 2 (561) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> Unspecified Cell fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-477 IK4007135 - CELL FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4007135 (3076) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: minor Specific problem: CELL FAULT 3 (562) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Cell fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-478 IK4007136 - CELL EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4007136 (3077) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 1 (563) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-479 IK4007137 - CELL EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007137 (3078) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 2 (564) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-480 IK4007138 - CELL EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007138 (3079) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL EVENT 3 (565) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-481 IK4007139 - ENB FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007139 (3080) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 1 (566) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified eNodeB fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-482 IK4007140 - ENB FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4007140 (3081) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 2 (567) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified eNodeB fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-483 IK4007141 - ENB FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4007141 (3082) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB FAULT 3 (568) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified eNodeB fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-484 IK4007142 - ENB EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4007142 (3083) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 1 (569) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-485 IK4007143 - ENB EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007143 (3084) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 2 (570) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-486 IK4007144 - ENB EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007144 (3085) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ENB EVENT 3 (571) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-487 IK4007145 - S1 FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007145 (3086) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 1 (572) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified S1 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-488 IK4007146 - S1 FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4007146 (3087) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 2 (573) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified S1 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-489 IK4007147 - S1 FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4007147 (3088) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: S1 FAULT 3 (574) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified S1 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-490 IK4007148 - S1 EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4007148 (3089) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 1 (575) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-491 IK4007149 - S1 EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007149 (3090) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 2 (576) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-492 IK4007150 - S1 EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007150 (3091) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: S1 EVENT 3 (577) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-493 IK4007151 - X2 FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007151 (3092) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 1 (578) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified X2 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-494 IK4007152 - X2 FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4007152 (3093) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 2 (579) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified X2 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-495 IK4007153 - X2 FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4007153 (3094) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 FAULT 3 (580) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified X2 fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-496 IK4007154 - X2 EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4007154 (3095) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 1 (581) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		



Table 26-497 IK4007155 - X2 EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007155 (3096) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 2 (582) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-498 IK4007156 - X2 EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007156 (3097) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: X2 EVENT 3 (583) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-499 IK4007157 - END OF INTERRAT UTRAN ANR ACTIVE PHASE

Alarm	Attributes	Applicable major releases
Name: IK4007157 (3098) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringFreqConf	Severity: variable Specific problem: END OF INTERRAT UTRAN ANR ACTIVE PHASE (584) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the end of the inter-RAT UTRAN ANR active phase.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-500 IK4007158 - UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR**

Alarm	Attributes	Applicable major releases
Name: IK4007158 (3099) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringCellRelation	Severity: variable Specific problem: UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (585) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the UTRAN neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-501 IK4007159 - CREATED UTRAN NEIGHBOR CANNOT BE ASSOCIATED TO RNC**

Alarm	Attributes	Applicable major releases
Name: IK4007159 (3100) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringCellRelation	Severity: variable Specific problem: CREATED UTRAN NEIGHBOR CANNOT BE ASSOCIATED TO RNC (586) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates no RNC is found to associate the UtraFddNeighbouringCellRelation.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-502 IK4007160 - END CMAS ALERT**

Alarm	Attributes	Applicable major releases
Name: IK4007160 (3101) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: END CMAS ALERT (587) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the end of the CMAS message broadcast.		
<b>Impact:</b> No impact on service.		
<b>Remedial action:</b> No action is required.		

Table 26-503 IK4007161 - L1L2 CONFIG REFUSED CMAS

Alarm	Attributes	Applicable major releases
Name: IK4007161 (3102) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: L1L2 CONFIG REFUSED CMAS (588) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BB L1/L2 entity rejected CMAS message broadcast.		
<b>Impact:</b> The CMAS message broadcast is not possible on the affected cell.		
<b>Remedial action:</b> No action is required.		

Table 26-504 IK4007162 - L1L2 CONFIG TIMEOUT CMAS

Alarm	Attributes	Applicable major releases
Name: IK4007162 (3103) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: L1L2 CONFIG TIMEOUT CMAS (589) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a no-response from BB L1/L2 entity detected during the CMAS broadcast procedure.		
<b>Impact:</b> The CMAS message broadcast is not possible on the affected cell.		
<b>Remedial action:</b> No action is required.		

Table 26-505 IK4007163 - UTRAN SYS INFO TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007163 (3104) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: minor Specific problem: UTRAN SYS INFO TRANSFER INITIATION REPORT FAILURE (590) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that CallIP does not manage to retrieve the system information (UTRASI) of a target UTRAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide UTRASI of the target UTRAN Cell in the RRC Connection Release sent to the UE.		
<b>Remedial action:</b> Check for the proper functioning of the following: 1. UTRAN cell provisioning 2. RIM support for MME and SGSN 3. IP routing path between eNodeB S1 interface IP endpoint and target RNC.		

**Table 26-506 IK4007164 - UTRAN SYS INFO UPDATE STOP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007164 (3105) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRAN SYS INFO UPDATE STOP FAILURE (591) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CallIP does not manage to stop event-driven system information (UTRASI) of a target UTRAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
<b>Impact:</b> No impact on service.		
<b>Remedial action:</b> No action is required.		

**Table 26-507 IK4007165 - UTRAN SYS INFO UPDATE END**

Alarm	Attributes	Applicable major releases
Name: IK4007165 (3106) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRAN SYS INFO UPDATE END (592) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB CallIP has received RIM RAN-INFORMATION/end message from a target RNC indicating that event-driven system information update for a target UTRAN cell has been stopped.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide UTRASI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
<b>Remedial action:</b> No action is required.		

**Table 26-508 IK4007166 - UTRA RAN INFORMATION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4007166 (3107) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRA RAN INFORMATION ERROR (593) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that there is an error in RIM container IE when eNodeB receive RIM message from peer node or RAN-INFORMATION-ERROR message is received from peer node.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide UTRASI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
<b>Remedial action:</b> No action is required.		

Table 26-509 IK4007167 - UTRA RAN INFORMATION APPLICATION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4007167 (3108) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRA RAN INFORMATION APPLICATION ERROR (594) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates there is an error in application container IE or there is application error container IE when eNodeB receive RIM message from peer node.		
<b>Impact:</b> The service is degraded: the eNodeB is not able to provide UTRASI of the target UTRAN cell in the RRC Connection Release sent to the UE.		
<b>Remedial action:</b> No action is required.		

Table 26-510 IK4007168 - NEW INTERFREQ NEIGHBOUR DISCOVERED

Alarm	Attributes	Applicable major releases
Name: IK4007168 (3109) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: NEW INTERFREQ NEIGHBOUR DISCOVERED (595) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates a new inter-frequency neighbour cell has been discovered by the eNB through ANR measurement report.		
<b>Impact:</b> No impact on service.		
<b>Remedial action:</b> No action is required.		

Table 26-511 IK4007169 - END OF INTRAFREQ LTE ANR ACTIVE PHASE

Alarm	Attributes	Applicable major releases
Name: IK4007169 (3110) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: END OF INTRAFREQ LTE ANR ACTIVE PHASE (596) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the end of the intra-frequency LTE ANR active phase.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-512 IK4007170 - MME S1 SETUP RESPONSE INCONSISTENCY**

Alarm	Attributes	Applicable major releases
Name: IK4007170 (3111) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: MME S1 SETUP RESPONSE INCONSISTENCY (597) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a configuration mismatch between the MIM and the MME.		
<b>Impact:</b> No impact on service.		
<b>Remedial action:</b> No action is required.		

**Table 26-513 IK4007171 - X2 RESOURCE STATUS REPORTING INITIATION FAILURE OR NO RESPONSE**

Alarm	Attributes	Applicable major releases
Name: IK4007171 (3780) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: X2 RESOURCE STATUS REPORTING INITIATION FAILURE OR NO RESPONSE (598) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a persistent X2AP RESOURCE STATUS FAILURE message or no response from a peer eNodeB.		
<b>Impact:</b> No load information can be used for inter-freq mobility.		
<b>Remedial action:</b> Check peer eNB and do X2 lock/unlock when it is available for X2 load reporting		

**Table 26-514 IK4007172 - END OF INTER-FREQ ANR ACTIVE PHASE**

Alarm	Attributes	Applicable major releases
Name: IK4007172 (3781) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: END OF INTER-FREQ ANR ACTIVE PHASE (599) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the end of the inter-frequency LTE ANR active phase.		
<b>Impact:</b> No impact on eNodeB		
<b>Remedial action:</b> No action is required.		

Table 26-515 IK4007175 - SIB3 AUTOMATED PARAMETER UPDATE

Alarm	Attributes	Applicable major releases
Name: IK4007175 (3782) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: SIB3 AUTOMATED PARAMETER UPDATE (600) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the cell has automatically modified cell reselection parameters broadcast in SIB3 based on cell loading conditions		
<b>Impact:</b> No impact on eNodeB		
<b>Remedial action:</b> No action is required.		

Table 26-516 IK4007176 - SIB RATE EXCESS

Alarm	Attributes	Applicable major releases
Name: IK4007176 (3783) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: SIB RATE EXCESS (601) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that SIB updates incremented the Value Tag more than 32 times in elapsed 3 hours.		
<b>Impact:</b> 3% of the Ues coming back from neighbour cells may have missed parameters updates. The possible misbehaviour should have minor severity.		
<b>Remedial action:</b> No action is required.		

Table 26-517 IK4007177 - EMBMS QOS

Alarm	Attributes	Applicable major releases
Name: IK4007177 (3784) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: EMBMS QOS (602) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that eMBMS service is experiencing packet loss (greater than lteCell::mbmsPacketLossThrHigh) or excessive delay (packets are detected in excess in eMBMS buffers).		
<b>Impact:</b> Degraded service quality due to excessive packet loss or delay.		

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## 26 – Alcatel-Lucent 9xxx eNodeB alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Depending on the reason found different actions can be taken: (1) packet loss or delay between the eNB and the BM-SC: fix network issue; (2) estimated network delay in the BM-SC is not correct: Check the network delay at the BM-SC; (3) time reference is different in eNB and BM-SC: check the synchronization period and the synchronization sequence provisioned in the BM-SC and the eNB parameters Mbms::m1SyncSequenceDuration and m1SyncPeriodDuration. The Mbms::m1SyncPeriodOffset can also be set on the eNB side to make a correction on the time-stamps received from the BM-SC. This value is subtracted to the BM-SC time-stamp (modulus m1SyncPeriodDuration). The same value shall be set on all eNBs of a MBSFN area. When possible, it is preferred to adjust the delay directly in the BM-SC rather than setting the syncPeriodOffset. (4) mismatch between the service bit rate and the resources allocated in the eNB: check MCE and content provider provisioning: the effective bit rate on the M1 interface seems to exceed the bit rate announced in M3 session start. (5) check isMbmsTrafficAllowed and the status of the synchronization clock source.		

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Table 26-518 IK4007178 - LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major releases
Name: IK4007178 (3785) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (603) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the LTE neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> No impact on eNodeB		
<b>Remedial action:</b> No action is required.		

Table 26-519 IK4007179 - CELL DISABLED DUE TO BAD POWER CONFIGURATION

Alarm	Attributes	Applicable major releases
Name: IK4007179 (3786) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL DISABLED DUE TO BAD POWER CONFIGURATION (604) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the LTE Cell is disabled due to misconfiguration in power settings during cell setup procedure or cell parameter update procedure.		
<b>Impact:</b> The LTE Cell is out of service. No traffic on this cell.		
<b>Remedial action:</b> Correct the lteCell power parameters configuration and apply the update so to put the lteCell back into service.		



Table 26-520 IK4007181 - PCI CONFUSION

Alarm	Attributes	Applicable major releases
Name: IK4007181 (3787) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION (485) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a PCI confusion between the cell and a neighbour cell of a neighbour cell. A manual intervention is needed to solve the problem. This can happen in the following cases: (1)The conflict could not be solved autonomously by the eNB; (2)The automatic PCI allocation is not activated.		
<b>Impact:</b> Mobility procedure triggered in the neighbour cell may be directed to a wrong neighboring cell, leading to further call drops. The list of potentially victim eNBs is displayed.		
<b>Remedial action:</b> If the automatic PCI allocation is activated: Increase the list of allowed PCI values, either for the local or for the distant eNodeB; If the automatic PCI allocation is not activated:Change the PCI value, either for the local or the distant cell.		

Table 26-521 IK4007182 - PCI CONFUSION NEIGHB CELLS

Alarm	Attributes	Applicable major releases
Name: IK4007182 (3788) Type: operationalViolation (93) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: PCI CONFUSION NEIGHB CELLS (483) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates this eNB is a victim of PCI confusion, it has multiple neighbor cells that have the same PCI as each other. A manual intervention is needed to solve the problem. This issue may affect mobility procedures in any of the eNodeB cells.		
<b>Impact:</b> Mobility procedure triggered in the cell may be directed to a wrong neighboring cell, leading to further call drops.		
<b>Remedial action:</b> The maintenance action has to be done in one of the neighbour eNBs. The issue is also reported by Alarms in these eNBs. If the automatic PCI allocation is activated in these eNBs: (1) If a Warning Alarm is raised, the issue will be automatically solved in the next maintenance window; (2) If a Major Alarm is raised, the issue cannot be automatically solved. It is necessary to increase the list of allowed PCI values, and the issue will be automatically solved in the next maintenance window. If the automatic PCI allocation is not activated in these eNBs: A Major Alarm is raised. It is necessary to change the PCI value of one of the actor cell of the issue.		

Table 26-522 IK4007183 - INCOMPLETE BROADCAST OF A PRESIDENTIAL ALERT

Alarm	Attributes	Applicable major releases
Name: IK4007183 (3789) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: INCOMPLETE BROADCAST OF A PRESIDENTIAL ALERT (605) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>

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26 – Alcatel-Lucent 9xxx eNodeB alarms

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This event indicates that the eNB has been unable to broadcast a CMAS Presidential Alert the requested number of times.		
<b>Impact:</b> Some or all users in the cell may have not received the Presidential Alert		
<b>Remedial action:</b> No action is required.		

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Table 26-523 IK4007184 - BRC UC FAILED

Alarm	Attributes	Applicable major releases
Name: IK4007184 (3989) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC UC FAILED (467) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the UeCallIP detected a no-response from BRC-UC.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> No action is required.		

Table 26-524 IK4007185 - BRC UC WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007185 (3990) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC UC WARNING (469) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BRC-UC reported a warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-525 IK4007188 - BRC CC WARNING

Alarm	Attributes	Applicable major releases
Name: IK4007188 (4657) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BRC CC WARNING (466) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BRC-CC reported a warning.		

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Alarm	Attributes	Applicable major releases
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

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Table 26-526 IK4007189 - L1L2 CONFIG REFUSED CELL DELETE

Alarm	Attributes	Applicable major releases
Name: IK4007189 (4658) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: L1L2 CONFIG REFUSED CELL DELETE (535) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the cell deletion for logical cell resetting procedure is rejected by the Modem entity.		
<b>Impact:</b> Service is not possible on this eNB.		
<b>Remedial action:</b> Lock then unlock the eNB		

Table 26-527 IK4007190 - L1L2 CONFIG TIMEOUT CELL DELETE

Alarm	Attributes	Applicable major releases
Name: IK4007190 (4659) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: L1L2 CONFIG TIMEOUT CELL DELETE (536) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a lack of response from the modem for cell deletion in the logical cell resetting procedure.		
<b>Impact:</b> Service is not possible on this eNB.		
<b>Remedial action:</b> Lock then unlock the eNB.		

Table 26-528 IK4007191 - CELL CLEAN UP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007191 (4660) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: CELL CLEAN UP FAILURE (537) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>

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26 – Alcatel-Lucent 9xxx eNodeB alarms

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm indicates a cell deletion failure when cell clean-up is triggered by LteCell instance deletion online, parameter update or when software failure happens.		
<b>Impact:</b> Service is not possible on this eNB.		
<b>Remedial action:</b> Lock then unlock the eNB.		

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Table 26-529 IK4007192 - SCB DELAY CONFIG FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007192 (4661) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB DELAY CONFIG FAILURE (608) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Configured cell path delays are no longer correct and the modem function must be reset to adopt the new values.		
<b>Impact:</b> Service is not possible on this eNB until the modem is reset.		
<b>Remedial action:</b> Reset the modem.		

Table 26-530 IK4007193 - SCB FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4007193 (4662) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 1 (609) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-531 IK4007194 - SCB FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4007194 (4663) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 2 (610) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-532 IK4007195 - SCB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4007195 (4664) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 3 (611) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-533 IK4007196 - SCB EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4007196 (4665) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB EVENT 1 (612) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-534 IK4007197 - SCB EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4007197 (4666) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB EVENT 2 (613) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-535 IK4007198 - SCB EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4007198 (4667) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB EVENT 3 (614) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified Modem Function fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-536 IK4007201 - ANR X2IP ADDR RETRIEVAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007201 (4668) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANR X2IP ADDR RETRIEVAL FAILURE (496) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the X2 IP address retrieval failure. The alarm is cleared when X2Access instance created or internal timer.		
<b>Impact:</b> X2 link cannot be established until an X2Access instance is created.		
<b>Remedial action:</b> Create the X2Access instance, if an X2 link needs to be established.		

Table 26-537 IK4007202 - NEIGHBOR RELATION REPLACEMENT

Alarm	Attributes	Applicable major releases
Name: IK4007202 (4669) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: NEIGHBOR RELATION REPLACEMENT (615) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Neighbor Relation has been replaced with another higher priority neighbor.		
<b>Impact:</b> Neighbor Relation replaced		
<b>Remedial action:</b> No action is required.		

Table 26-538 IK4007203 - PSC CONFUSION UTRAN NEIGHB CELLS

Alarm	Attributes	Applicable major releases
Name: IK4007203 (4670) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PSC CONFUSION UTRAN NEIGHB CELLS (616) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates this cell is a victim of a UTRAN PSC confusion, it has neighbor UTRAN cells in a particular UTRAN neighboring frequency that have the same PSC. A manual intervention is needed to solve the problem. This issue may affect mobility procedures from LTE to UTRAN.		
<b>Impact:</b> Mobility procedure triggered in the eNB towards UTRAN may be directed to a wrong neighboring cell, leading to further call drops.		
<b>Remedial action:</b> The maintenance action is to change the PSC value of one of the neighbor UTRAN cells to resolve the conflict.		

Table 26-539 IK4007204 - UTRAN CELL LOAD TRANSFER INITIATION REPORT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007204 (4671) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: minor Specific problem: UTRAN CELL LOAD TRANSFER INITIATION REPORT FAILURE (617) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that CalIP does not manage to retrieve the cell load of a target UTRAN cell using RIM RAN-INFORMATION-REQUEST/multiple report.		
<b>Remedial action:</b> Check for the proper functioning of the following: 1. UTRAN cell provisioning; 2. RIM support for MME and SGSN; 3. IP routing path between eNodeB S1 interface IP endpoint and target RNC.		

**Table 26-540 IK4007205 - CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL**

Alarm	Attributes	Applicable major releases
Name: IK4007205 (4672) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CONFIRMED COMMUNICATION ISSUE MET WITH UE SETUPS ON THIS CELL (482) Implicitly cleared: true Default probable cause: applicationSubsystemFailure (689)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that an internal communication issue has been met for multiple UEs on this cell during the UE Setup procedure.		
<b>Impact:</b> LTE traffic is interrupted on this cell.		
<b>Remedial action:</b> Lock and then unlock the lteCell. If this fails to clear the fault then lock and unlock the modem (BB) board.		

**Table 26-541 IK4007206 - SCTP RELEASE DUE TO DUPLICATED MMECs**

Alarm	Attributes	Applicable major releases
Name: IK4007206 (4673) Type: operationalViolation (93) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: SCTP RELEASE DUE TO DUPLICATED MMECs (618) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a MMEC or PLMN, MMEGI, MMEC in the 'Served GUMMEIs' IE of S1 Setup Response from one MME was found to be a duplicate with the existing ones from another MME.		
<b>Impact:</b> MMEAccess changed to disabled/ offline. Capacity mismatch between eNodeB and MMEs is possible; some roaming UEs may get poor LTE service.		
<b>Remedial action:</b> Update MMEGI or MMEC to make MMEGI, MMEC unique across all MMEs having SCTP with the eNodeB, and then re-try S1 Setup.		

**Table 26-542 IK4007207 - UTRAN CELL LOAD TRANSFER STOP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4007207 (4674) Type: communicationsAlarm (4) Package: lte Raised on class: lte.RncAccess	Severity: variable Specific problem: UTRAN CELL LOAD TRANSFER STOP FAILURE (619) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that CalIP does not manage to stop event-driven cell load exchange of a target UTRAN Cell using RIM RAN-INFORMATION-REQUEST/stop.		
<b>Remedial action:</b> No action is required.		



Table 26-543 IK4007208 - UTRAN CELL LOAD UPDATE END

Alarm	Attributes	Applicable major releases
Name: IK4007208 (4675) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.RncAccess	Severity: variable Specific problem: UTRAN CELL LOAD UPDATE END (620) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB CallP has received RIM RAN-INFORMATION/end message from a target RNC indicating that event-driven cell load update for a target UTRAN cell has been stopped.		
<b>Remedial action:</b> No action is required.		

Table 26-544 IK4008004 - EBP FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4008004 (3112) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP FAULT 1 (624) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-545 IK4008005 - EBP FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4008005 (3113) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP FAULT 2 (625) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-546 IK4008006 - EBP FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4008006 (3114) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 3 (626) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-547 IK4008007 - EBP FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4008007 (3115) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 4 (627) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-548 IK4008008 - EBP FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4008008 (3116) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP FAULT 5 (628) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-549 IK4008009 - EBP TRANS LSL BHPORT

Alarm	Attributes	Applicable major releases
Name: IK4008009 (3117) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: EBP TRANS LSL BHPORT (629) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the detection of degraded received optical signal level on port.		
<b>Impact:</b> Degraded received optical signal strength on port 1.		
<b>Remedial action:</b> Check SFP module and fiber cable, cleaning or replacement is required.		

Table 26-550 IK4008010 - ETHERNET BACKHAUL PORT INIT

Alarm	Attributes	Applicable major releases
Name: IK4008010 (3790) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT INIT (630) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an initialization failure.		
<b>Impact:</b> EBP is out of service.		
<b>Remedial action:</b> Power cycle entire CB.		

Table 26-551 IK4008011 - ETHERNET BACKHAUL PORT TX

Alarm	Attributes	Applicable major releases
Name: IK4008011 (3791) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT TX (631) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a fault in transmit path.		
<b>Impact:</b> EBP is out of service.		
<b>Remedial action:</b> Check cable.		

**Table 26-552 IK4008012 - ETHERNET BACKHAUL PORT RX**

Alarm	Attributes	Applicable major releases
Name: IK4008012 (3792) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT RX (632) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a fault in receive path.		
<b>Impact:</b> EBP is out of service.		
<b>Remedial action:</b> Check cable.		

**Table 26-553 IK4008013 - EBP INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4008013 (3793) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: EBP INDETERMINATE OPERATIONAL FAILURE (633) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the Ethernet backhaul (telecom) port has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> External communication (both OAM and Telecom) may have failed or become unstable.		
<b>Remedial action:</b> Inspect the Ethernet port SFP and cable, replace any faulty unit. If these are good then the controller board may need to be resealed, or replaced.		

**Table 26-554 IK4008014 - EBP ALL SFP MISSING**

Alarm	Attributes	Applicable major releases
Name: IK4008014 (4676) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: EBP ALL SFP MISSING (634) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> All SFPs are missing.		
<b>Impact:</b> LTE service is not available without the SFPs.		
<b>Remedial action:</b> Insert SFPs then reset the SCB to clear the alarm.		

Table 26-555 IK4008015 - ETHERNET BACKHAUL PORT TX

Alarm	Attributes	Applicable major releases
Name: IK4008015 (5227) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT TX (631) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a fault in transmit path.		
<b>Impact:</b> EBP is out of service.		
<b>Remedial action:</b> Check cable.		

Table 26-556 IK4008016 - ETHERNET BACKHAUL PORT RX

Alarm	Attributes	Applicable major releases
Name: IK4008016 (5228) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: ETHERNET BACKHAUL PORT RX (632) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a fault in receive path.		
<b>Impact:</b> EBP is out of service.		
<b>Remedial action:</b> Check cable.		

Table 26-557 IK4008017 - EBP INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4008017 (5229) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: EBP INDETERMINATE OPERATIONAL FAILURE (633) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the Ethernet backhaul (telecom) port has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> External communication (both OAM and Telecom) may have failed or become unstable.		
<b>Remedial action:</b> Inspect the Ethernet port SFP and cable, replace any faulty unit. If these are good then the controller board may need to be reseeded, or replaced.		

**Table 26-558 IK4008018 - EBP SFP1 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4008018 (5230) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP SFP1 I2C FAULT (635) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP1 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-559 IK4008019 - EBP SFP2 I2C FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4008019 (5231) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: EBP SFP2 I2C FAULT (636) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CB cannot read info of SFP2 through I2C		
<b>Impact:</b> Inventory, temperature and TX/RX power of SFP cannot be read out properly		
<b>Remedial action:</b> Reset the CB or replace the SFP		

**Table 26-560 IK4009001 - AUTOTEST FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009001 (2616) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-561 IK4009002 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009002 (2617) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-562 IK4009003 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009003 (2618) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-563 IK4009006 - DHCP FAILURE TO OBTAIN PTP IP ADDRESS

Alarm	Attributes	Applicable major releases
Name: IK4009006 (2621) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: DHCP FAILURE TO OBTAIN PTP IP ADDRESS (638) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB has failed to receive PTP IP addresses: End Point and PTP server IP addresses (not only End point IP address)		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: the eNodeB continues sending DHCP requests for 1588 IP addresses		
<b>Remedial action:</b> Check and correct its DHCP configuration for 1588 IP addresses. When the alarm is raised it means that eNodeB has not received an answer from DHCP to its 1588 DHCP request.		

**Table 26-564 IK4009007 - HIGH PACKET DROPPING RATE**

Alarm	Attributes	Applicable major releases
Name: IK4009007 (2622) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: HIGH PACKET DROPPING RATE (639) Implicitly cleared: true Default probable cause: floodDetected (1482)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the policer controlling the local ingress traffic of the eNB is dropping packets on some flows with an abnormal rate.		
<b>Impact:</b> The OAM and Telecom services are impacted.		
<b>Remedial action:</b> Unknown.		

**Table 26-565 IK4009008 - LAST S1 SCTP ASSOCIATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009008 (5232) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION FAILURE (640) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

**Table 26-566 IK4009009 - LAST S1 SCTP ASSOCIATION DOWN**

Alarm	Attributes	Applicable major releases
Name: IK4009009 (5233) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION DOWN (641) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the last S1 association fault between eNodeB and MME.		
<b>Impact:</b> Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		



**Table 26-567 IK4009010 - OAM MF EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009010 (2623) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 2 (642) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-568 IK4009011 - OAM MF EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009011 (2624) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM MF EVENT 3 (643) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-569 IK4009012 - MODULE EXTRACTION**

Alarm	Attributes	Applicable major releases
Name: IK4009012 (2625) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

Table 26-570 IK4009013 - MF EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009013 (5234) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MF EVENT 1 (645) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-571 IK4009014 - MF EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009014 (5235) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MF EVENT 2 (646) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-572 IK4009017 - MF EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009017 (5236) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: MF EVENT 3 (647) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-573 IK4009020 - X2 SCTP ASSOCIATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009020 (2630) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: major Specific problem: X2 SCTP ASSOCIATION FAILURE (650) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the neighboring eNodeB does not acknowledge the X2 association requests from the eNodeB.		
<b>Impact:</b> Telecom: No impact on the cells. Impacts the handover. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-574 IK4009022 - X2 SCTP ASSOCIATION DOWN**

Alarm	Attributes	Applicable major releases
Name: IK4009022 (2632) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: major Specific problem: X2 SCTP ASSOCIATION DOWN (652) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a fault in the X2 association between the eNodeBs.		
<b>Impact:</b> Telecom: No impact on the cells. Impacts the handover. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and peer eNB. 2. Check network connectivity between eNB and peer eNB.		

**Table 26-575 IK4009024 - OAM INTERFACE CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009024 (2634) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: OAM INTERFACE CONFIGURATION FAILURE (654) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IP and Ethernet configuration on the OAM interface.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: The eNodeB management is not possible.		
<b>Remedial action:</b> Reset the eNodeB. If the alarm persists, contact the next level of support.		

**Table 26-576 IK4009025 - TELECOM INTERFACE CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009025 (2635) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: TELECOM INTERFACE CONFIGURATION FAILURE (655) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IP and Ethernet configuration on the telecom interface.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB. If the alarm persists, contact the next level of support.		

**Table 26-577 IK4009026 - SSH SERVER START FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009026 (2636) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: SSH SERVER START FAILURE (656) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the SSH server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: SSH sessions on eNodeB are not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-578 IK4009027 - SSH SERVER STOP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009027 (2637) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: SSH SERVER STOP FAILURE (657) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the SSH server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-579 IK4009028 - SNTP CLIENT START FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009028 (2638) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: SNTP CLIENT START FAILURE (658) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the SNTP client.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: The eNodeB is not time synchronized with the NTP server.		
<b>Remedial action:</b> Check the network connectivity of NTP server and NTP server address provisioning. If the NTP server is unreachable or the provisioning is incorrect, address those aspects. If all other possible causes have been eliminated, reset the eNB.		

Table 26-580 IK4009029 - SNTP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009029 (2639) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SNTP CLIENT STOP FAILURE (659) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the SNTP client.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-581 IK4009030 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009030 (5237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize the WAL gateway.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-582 IK4009032 - DHCP CLIENT START FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009032 (2640) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: DHCP CLIENT START FAILURE (661) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the DHCP client on the eNodeB network interface.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: The eNodeB management is not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-583 IK4009033 - DHCP CLIENT STOP FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009033 (2641) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DHCP CLIENT STOP FAILURE (662) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the DHCP client on the eNodeB network interface.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-584 IK4009034 - UNEXPECTED DATA FROM DHCP SERVER**

Alarm	Attributes	Applicable major releases
Name: IK4009034 (2642) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: UNEXPECTED DATA FROM DHCP SERVER (663) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the lease time offered by the DHCP server is different from the lease time requested by the DHCP client.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Configure the DHCP server with an infinite lease time.		

Table 26-585 IK4009035 - INCONSISTENT DATA FROM DHCP SERVER

Alarm	Attributes	Applicable major releases
Name: IK4009035 (2643) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INCONSISTENT DATA FROM DHCP SERVER (664) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB does not support the modified IP address offered by the DHCP server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: The eNodeB uses the old IP address. eNodeB management is still possible.		
<b>Remedial action:</b> Reset the eNodeB.		

Table 26-586 IK4009036 - ETHERNET TRANSPORT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009036 (2644) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: ETHERNET TRANSPORT FAILURE (665) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an interface error due to the counters exceeding the configured threshold.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: The performance of the OAM service is low.		
<b>Remedial action:</b> Check the network status and cabling if possible. If the alarm persists, contact the next level support.		

Table 26-587 IK4009041 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major releases
Name: IK4009041 (2648) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the board connectivity.		

**Table 26-588 IK4009042 - NO RESPONSE TO ECHO REQUEST ON S1**

Alarm	Attributes	Applicable major releases
Name: IK4009042 (2649) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: major Specific problem: NO RESPONSE TO ECHO REQUEST ON S1 (666) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a S1 fault due to the GTP Echo request.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check for connectivity and verify the GTP provisioning.		

**Table 26-589 IK4009044 - S1 SCTP ASSOCIATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009044 (2650) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: major Specific problem: S1 SCTP ASSOCIATION FAILURE (649) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

**Table 26-590 IK4009046 - S1 SCTP ASSOCIATION DOWN**

Alarm	Attributes	Applicable major releases
Name: IK4009046 (2651) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: major Specific problem: S1 SCTP ASSOCIATION DOWN (651) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a S1 association fault between eNodeB and MME.		
<b>Impact:</b> Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		



Table 26-591 IK4009048 - DHCP LEASE LOST

Alarm	Attributes	Applicable major releases
Name: IK4009048 (2652) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DHCP LEASE LOST (668) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the DHCP client lost the lease of the DHCP server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-592 IK4009049 - DHCP CLIENT LEASE FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009049 (2653) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: DHCP CLIENT LEASE FAILURE (669) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the DHCP client to obtain the lease from the DHCP server.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: The eNodeB backhaul interface is not configured.		
<b>Remedial action:</b> Check for connectivity. Check for DHCP server and network configurations.		

Table 26-593 IK4009050 - IP LOOPBACK ACTIVE

Alarm	Attributes	Applicable major releases
Name: IK4009050 (2654) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: IP LOOPBACK ACTIVE (670) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the IP loopback is activated.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: The maintenance is restricted to local terminal.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-594 IK4009051 - IP LOOPBACK MANUAL TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009051 (2655) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK MANUAL TERMINATION (671) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback is manually stopped.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-595 IK4009052 - IP LOOPBACK INACTIVITY PERIOD TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009052 (2656) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK INACTIVITY PERIOD TERMINATION (672) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback stopped automatically due to inactivity for certain period.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-596 IK4009053 - IP LOOPBACK GUARD TIMER TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009053 (2657) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: IP LOOPBACK GUARD TIMER TERMINATION (673) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback stopped automatically due to expiry of the guard timer.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-597 IK4009054 - MODULE EXTRACTION**

Alarm	Attributes	Applicable major releases
Name: IK4009054 (2658) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

**Table 26-598 IK4009055 - MODULE EXTRACTION**

Alarm	Attributes	Applicable major releases
Name: IK4009055 (2659) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

**Table 26-599 IK4009056 - MODULE EXTRACTION**

Alarm	Attributes	Applicable major releases
Name: IK4009056 (2660) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

**Table 26-600 IK4009057 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009057 (2661) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check for connectivity with the board.		

**Table 26-601 IK4009058 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009058 (2662) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check for connectivity with the board.		

**Table 26-602 IK4009059 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009059 (2663) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check for connectivity with the board.		

Table 26-603 IK4009060 - OAM AMR FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4009060 (3118) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: OAM AMR FAULT 1 (674) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-604 IK4009061 - OAM AMR FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4009061 (3119) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: OAM AMR FAULT 2 (675) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-605 IK4009062 - OAM AMR FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009062 (3120) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: OAM AMR FAULT 3 (676) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-606 IK4009063 - OAM AMR EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009063 (3121) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 1 (677) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-607 IK4009064 - OAM AMR EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009064 (3122) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 2 (678) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-608 IK4009065 - OAM AMR EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009065 (3123) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: OAM AMR EVENT 3 (679) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-609 IK4009066 - OAM BB FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4009066 (3124) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 1 (680) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-610 IK4009067 - OAM BB FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4009067 (3125) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 2 (681) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-611 IK4009068 - OAM BB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009068 (3126) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: OAM BB FAULT 3 (682) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-612 IK4009070 - OAM BB EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009070 (3128) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: OAM BB EVENT 2 (684) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-613 IK4009071 - OAM BB EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009071 (3129) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: OAM BB EVENT 3 (685) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-614 IK4009073 - OAM CB FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009073 (3131) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 2 (687) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This is a spare alarm that was used in LR14.1 in case there is a mismatch between MIM configuration data RadioCacEnb and HW reported capabilities detected.		
<b>Impact:</b> The RadioCacEnb algorithm is limited to HW capabilities.		
<b>Remedial action:</b> The operator has to check the MIM configuration of RadioCacEnb object and the installed Controller Type. The MIM configuration must be aligned to the capability of the HW.		



Table 26-615 IK4009074 - OAM CB FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009074 (3132) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 3 (688) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-616 IK4009075 - OAM CB EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009075 (3133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 1 (689) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-617 IK4009076 - OAM CB EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009076 (3134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 2 (690) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-618 IK4009077 - OAM CB EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009077 (3135) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: OAM CB EVENT 3 (691) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-619 IK4009078 - OAM DBU FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009078 (3136) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 1 (692) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-620 IK4009079 - OAM DBU FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009079 (3137) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 2 (693) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-621 IK4009080 - OAM DBU FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009080 (3138) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: minor Specific problem: OAM DBU FAULT 3 (694) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-622 IK4009081 - OAM DBU EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009081 (3139) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 1 (695) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-623 IK4009082 - OAM DBU EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009082 (3140) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 2 (696) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-624 IK4009083 - OAM DBU EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009083 (3141) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: OAM DBU EVENT 3 (697) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-625 IK4009087 - OAM ENB EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009087 (3145) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 1 (701) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-626 IK4009088 - OAM ENB EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009088 (3146) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 2 (702) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-627 IK4009089 - OAM ENB EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009089 (3147) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: OAM ENB EVENT 3 (703) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-628 IK4009090 - OAM TMA FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4009090 (3148) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 1 (704) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-629 IK4009091 - OAM TMA FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4009091 (3149) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 2 (705) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-630 IK4009092 - OAM TMA FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009092 (3150) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: minor Specific problem: OAM TMA FAULT 3 (706) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-631 IK4009093 - OAM TMA EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009093 (3151) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 1 (707) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-632 IK4009094 - OAM TMA EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009094 (3152) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 2 (708) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-633 IK4009095 - OAM TMA EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009095 (3153) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: variable Specific problem: OAM TMA EVENT 3 (709) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-634 IK4009096 - OAM RET FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4009096 (3154) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: OAM RET FAULT 1 (710) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-635 IK4009097 - OAM RET FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4009097 (3155) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: OAM RET FAULT 2 (711) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-636 IK4009098 - OAM RET FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009098 (3156) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: OAM RET FAULT 3 (712) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-637 IK4009099 - OAM RET EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009099 (3157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 1 (713) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-638 IK4009100 - OAM RET EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009100 (3158) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 2 (714) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		



**Table 26-639 IK4009101 - OAM RET EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009101 (3159) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: variable Specific problem: OAM RET EVENT 3 (715) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-640 IK4009102 - OAM S1 FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009102 (3160) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 1 (716) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-641 IK4009103 - OAM S1 FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009103 (3161) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 2 (717) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-642 IK4009104 - OAM S1 FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009104 (3162) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: minor Specific problem: OAM S1 FAULT 3 (718) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-643 IK4009105 - OAM S1 EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009105 (3163) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 1 (719) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-644 IK4009106 - OAM S1 EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009106 (3164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 2 (720) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-645 IK4009107 - OAM S1 EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009107 (3165) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeAccess	Severity: variable Specific problem: OAM S1 EVENT 3 (721) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-646 IK4009108 - OAM S1\_TRANS FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009108 (3166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 1 (722) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-647 IK4009109 - OAM S1\_TRANS FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009109 (3167) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 2 (723) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-648 IK4009110 - OAM S1\_TRANS FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009110 (3168) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: minor Specific problem: OAM S1_TRANS FAULT 3 (724) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-649 IK4009111 - OAM S1\_TRANS EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009111 (3169) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 1 (725) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-650 IK4009112 - OAM S1\_TRANS EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009112 (3170) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 2 (726) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-651 IK4009113 - OAM S1\_TRANS EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009113 (3171) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: variable Specific problem: OAM S1_TRANS EVENT 3 (727) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-652 IK4009114 - OAM X2 FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009114 (3172) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 1 (728) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-653 IK4009115 - OAM X2 FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009115 (3173) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 2 (729) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-654 IK4009116 - OAM X2 FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009116 (3174) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: minor Specific problem: OAM X2 FAULT 3 (730) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-655 IK4009117 - OAM X2 EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009117 (3175) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 1 (731) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-656 IK4009118 - OAM X2 EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009118 (3176) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 2 (732) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-657 IK4009119 - OAM X2 EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009119 (3177) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: variable Specific problem: OAM X2 EVENT 3 (733) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-658 IK4009120 - OAM X2\_TRANS FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009120 (3178) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 1 (734) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-659 IK4009121 - OAM X2\_TRANS FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009121 (3179) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 2 (735) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-660 IK4009122 - OAM X2\_TRANS FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009122 (3180) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: minor Specific problem: OAM X2_TRANS FAULT 3 (736) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-661 IK4009123 - OAM X2\_TRANS EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009123 (3181) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 1 (737) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-662 IK4009124 - OAM X2\_TRANS EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009124 (3182) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 2 (738) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		



Table 26-663 IK4009125 - OAM X2\_TRANS EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009125 (3183) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: OAM X2_TRANS EVENT 3 (739) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-664 IK4009129 - OAM RRH EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009129 (3187) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: OAM RRH EVENT 1 (743) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-665 IK4009130 - OAM RRH EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009130 (3188) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: OAM RRH EVENT 2 (744) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-666 IK4009131 - OAM RRH EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009131 (3189) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RRH	Severity: variable Specific problem: OAM RRH EVENT 3 (745) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-667 IK4009132 - OAM TRDU FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009132 (3190) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 1 (746) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-668 IK4009133 - OAM TRDU FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009133 (3191) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 2 (747) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-669 IK4009134 - OAM TRDU FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4009134 (3192) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: OAM TRDU FAULT 3 (748) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-670 IK4009135 - OAM TRDU EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009135 (3193) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 1 (749) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-671 IK4009136 - OAM TRDU EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009136 (3194) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 2 (750) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-672 IK4009137 - OAM TRDU EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009137 (3195) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: OAM TRDU EVENT 3 (751) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-673 IK4009138 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009138 (3196) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The LTE cells associated with this module are not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check connectivity between controller and RFM. Check operation of RFM and controller. If the alarm persists, contact the next level of support.		

**Table 26-674 IK4009139 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009139 (3197) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in communication with the board.		
<b>Impact:</b> Telecom: The LTE cells associated with this module are not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check connectivity between controller and TRDU. Check operation of TRDU and controller. If the alarm persists, contact the next level of support.		

Table 26-675 IK4009140 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009140 (3198) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-676 IK4009141 - AUTOTEST FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009141 (3199) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-677 IK4009142 - MODULE EXTRACTION

Alarm	Attributes	Applicable major releases
Name: IK4009142 (3200) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

**Table 26-678 IK4009143 - MODULE EXTRACTION**

Alarm	Attributes	Applicable major releases
Name: IK4009143 (3201) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TRDU	Severity: variable Specific problem: MODULE EXTRACTION (644) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system detected extraction of the module.		
<b>Impact:</b> The resources processed by the module are lost.		
<b>Remedial action:</b> No action is required.		

**Table 26-679 IK4009144 - SFP EXTRACTED CPRI PORT**

Alarm	Attributes	Applicable major releases
Name: IK4009144 (3202) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: SFP EXTRACTED CPRI PORT (752) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that SFP module is extracted.		
<b>Impact:</b> Loss of RFM connection on CPRI port.		
<b>Remedial action:</b> Check SFP module and replace it.		

**Table 26-680 IK4009150 - SFP EXTRACTED ON ALL CPRI PORTS**

Alarm	Attributes	Applicable major releases
Name: IK4009150 (3203) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: SFP EXTRACTED ON ALL CPRI PORTS (753) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that SFP module of all ports are extracted.		
<b>Impact:</b> Loss of RFM connection on all CPRI ports.		
<b>Remedial action:</b> Check SFP modules and replace them if needed.		

Table 26-681 IK4009151 - SFP EXTRACTED BHPORT

Alarm	Attributes	Applicable major releases
Name: IK4009151 (3204) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: SFP EXTRACTED BHPORT (754) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that SFP module of Ethernet backhaul port is extracted.		
<b>Impact:</b> Loss of backhaul network access on port.		
<b>Remedial action:</b> Check SFP module and replace it.		

Table 26-682 IK4009156 - SCTP INIT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009156 (3796) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: SCTP INIT FAILURE (756) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to initialize the SCTP access.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

Table 26-683 IK4009157 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009157 (3797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize the WAL gateway.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

Table 26-684 IK4009158 - OAM ENB FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4009158 (3798) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 4 (757) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

Table 26-685 IK4009159 - OAM ENB FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4009159 (3799) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: OAM ENB FAULT 5 (758) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

Table 26-686 IK4009160 - OAM RRH FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4009160 (3800) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 4 (759) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		



**Table 26-687 IK4009161 - OAM RRH FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4009161 (3801) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 5 (760) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-688 IK4009162 - OAM RRH FAULT 6**

Alarm	Attributes	Applicable major releases
Name: IK4009162 (3802) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: OAM RRH FAULT 6 (761) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-689 IK4009163 - OAM CB FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4009163 (3803) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: OAM CB FAULT 4 (762) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-690 IK4009169 - END OF THE HOLDOVER DURATION**

Alarm	Attributes	Applicable major releases
Name: IK4009169 (3809) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: END OF THE HOLDOVER DURATION (763) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that when it is close to the end of the holdover duration of the internal oscillator		
<b>Impact:</b> The eNB shall stop RF transmission. This holdover duration is dependant of the type of oscillator and the duration is coming from the design		
<b>Remedial action:</b> No action is required.		

**Table 26-691 IK4009171 - ADAPTIVE ANTENNA ARRAY PARAMETER UPDATE FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4009171 (3810) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: ADAPTIVE ANTENNA ARRAY PARAMETER UPDATE FAILED (764) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a cell Adaptive Antenna Array parameter has been changed but the RFM supporting the cell failed to implement the new value.		
<b>Impact:</b> The requested Adaptive Antenna Array setting has not been applied to the cell.		
<b>Remedial action:</b> Determine the alarm reason and remedy as necessary.		

**Table 26-692 IK4009172 - ADAPTIVE ANTENNA ARRAY OPERATION DEGRADED**

Alarm	Attributes	Applicable major releases
Name: IK4009172 (3811) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: ADAPTIVE ANTENNA ARRAY OPERATION DEGRADED (765) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a hardware fault within the AAA function of the RFM is degrading the beam pattern.		
<b>Impact:</b> The cell supported on this RFM is still functional but the uplink or downlink beam pattern may be degraded.		
<b>Remedial action:</b> Replace the RFM hardware.		

Table 26-693 IK4009173 - ADAPTIVE ANTENNA ARRAY OPERATION FAILED

Alarm	Attributes	Applicable major releases
Name: IK4009173 (3812) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: ADAPTIVE ANTENNA ARRAY OPERATION FAILED (766) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a hardware fault within the AAA function of the RFM has disabled the AAA function.		
<b>Impact:</b> The cell supported on this RFM is still functional but the uplink or downlink beam pattern is not controlled.		
<b>Remedial action:</b> Replace the RFM hardware.		

Table 26-694 IK4009174 - DHCP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009174 (3993) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: DHCP CLIENT STOP FAILURE (662) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the DHCP client on the eNodeB network interface.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-695 IK4009175 - DHCP LEASE LOST

Alarm	Attributes	Applicable major releases
Name: IK4009175 (3994) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: DHCP LEASE LOST (668) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the DHCP client lost the lease of the DHCP server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-696 IK4009176 - IP LOOPBACK MANUAL TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009176 (3995) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: IP LOOPBACK MANUAL TERMINATION (671) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback is manually stopped.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-697 IK4009177 - IP LOOPBACK INACTIVITY PERIOD TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009177 (3996) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: IP LOOPBACK INACTIVITY PERIOD TERMINATION (672) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback stopped automatically due to inactivity for certain period.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-698 IK4009178 - IP LOOPBACK GUARD TIMER TERMINATION**

Alarm	Attributes	Applicable major releases
Name: IK4009178 (3997) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: IP LOOPBACK GUARD TIMER TERMINATION (673) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the IP loopback stopped automatically due to expiry of the guard timer.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-699 IK4009179 - OAM SCB EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009179 (3998) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 1 (767) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-700 IK4009180 - OAM SCB EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4009180 (3999) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 2 (768) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-701 IK4009181 - OAM SCB EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4009181 (4000) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM SCB EVENT 3 (769) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-702 IK4009182 - OAM MF EVENT 1**

Alarm	Attributes	Applicable major releases
Name: IK4009182 (4001) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: OAM MF EVENT 1 (770) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-703 IK4009183 - OAM MF EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009183 (4002) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: OAM MF EVENT 2 (642) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-704 IK4009184 - OAM MF EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009184 (4003) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: OAM MF EVENT 3 (643) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

Table 26-705 IK4009185 - SNTP CLIENT STOP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009185 (4004) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SNTP CLIENT STOP FAILURE (659) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the SNTP client.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-706 IK4009186 - SSH SERVER STOP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4009186 (4005) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SSH SERVER STOP FAILURE (657) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to stop the SSH server.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-707 IK4009187 - OAM RFME EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4009187 (4006) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 1 (771) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This spare event was used in LR14.1 to indicate that the ENB suffered from an unexpected, unplanned failure on the RFME. Specific details are in the Additional Text. (should be inactive in LR14.3)		
<b>Impact:</b> Depending on the nature of the failure, some Telecom or OAM functionalities may not be available during recovery. On successful reset, the Telecom and OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-708 IK4009188 - OAM RFME EVENT 2**

Alarm	Attributes	Applicable major releases
Name: IK4009188 (4007) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 2 (772) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-709 IK4009189 - OAM RFME EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4009189 (4008) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: OAM RFME EVENT 3 (773) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare event for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

**Table 26-710 IK4009190 - LOSS OF EMBMS PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4009190 (4009) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		



**Table 26-711 IK4009191 - M3 SCTP ASSOCIATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009191 (4010) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: major Specific problem: M3 SCTP ASSOCIATION FAILURE (774) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the MME does not acknowledge the M3 association request from the MCE.		
<b>Impact:</b> No eMBMS sessions can be started.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

**Table 26-712 IK4009192 - M3 SCTP ASSOCIATION DOWN**

Alarm	Attributes	Applicable major releases
Name: IK4009192 (4011) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: major Specific problem: M3 SCTP ASSOCIATION DOWN (775) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a M3 association fault between the eNodeB and the MME.		
<b>Impact:</b> eMBMS sessions outage. The on-going sessions broadcast transmissions are stopped, and no futur eMBMS sessions can be started		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

**Table 26-713 IK4009193 - LOSS OF EICIC PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4009193 (4012) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: LOSS OF EICIC PHASE SYNC (776) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eICIC functionality is not longer guaranteed to specification due to clock drift.		
<b>Impact:</b> eICIC capability is compromised.		
<b>Remedial action:</b> No action is required.		

**Table 26-714 IK4009194 - LOSS OF EICIC PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4009194 (4013) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: LOSS OF EICIC PHASE SYNC (776) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eICIC functionality is not longer guaranteed to specification due to clock drift.		
<b>Impact:</b> eICIC capability is compromised.		
<b>Remedial action:</b> No action is required.		

**Table 26-715 IK4009195 - ETHERNET PORT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009195 (4677) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ETHERNET PORT FAILURE (777) Implicitly cleared: true Default probable cause: inputOutputDeviceError (703)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the BBU failed to send/receive traffic through an Ethernet port.		
<b>Impact:</b> Traffic cannot flow through the Ethernet backhaul port.		
<b>Remedial action:</b> Check the Ethernet port equipment for failure, replace the BBU controller board if necessary.		

**Table 26-716 IK4009196 - BAD SHAPING CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4009196 (4678) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: BAD SHAPING CONFIGURATION (778) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the sum of the egress CIR per VLAN exceeds the daisy chained port speed when shaping per VLAN on the daisy chained port is requested. Either the egress CIR exceed the daisy chained port speed when shaping per port on daisy chained port is requested		
<b>Impact:</b> The shaping function has no effect.		
<b>Remedial action:</b> The shaping configuration shall be checked.		

**Table 26-717 IK4009197 - BAD POLICING CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4009197 (4679) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: BAD POLICING CONFIGURATION (779) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the ingress CIR exceed the daisy chained port speed, when policing on daisy chained port is requested		
<b>Impact:</b> The policing function has no effect.		
<b>Remedial action:</b> Review the policing configuration and change if necessary.		

**Table 26-718 IK4009198 - SCB PTP DISCONTINUOUS SESSION LOCK FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4009198 (4680) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP DISCONTINUOUS SESSION LOCK FAIL (780) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates, when the 1588 client is configured to Discontinuous mode that the client failed to achieve Lock in the 1588 message transfer session. This alarm is inhibited when the 1588 message transfer is in Continuous mode.		
<b>Impact:</b> The Metrocell moves to Holdover state, CallIP remains supported.		
<b>Remedial action:</b> Investigate the link PDV impairment profile. Increase the length of the active 1588 message transfer session.		

**Table 26-719 IK4009202 - EFM L2 ETHERNET PORT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009202 (4684) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: EFM L2 ETHERNET PORT FAILURE (784) Implicitly cleared: true Default probable cause: lossOfFrame (97)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that an Ethernet MAC failure has been detected by the EFM protocol.		
<b>Impact:</b> Backhaul communication to the eNodeB may be lost.		
<b>Remedial action:</b> Check the EFM local and remote information for the Ethernet port.		

**Table 26-720 IK4009203 - AUTOTEST FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009203 (4685) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> The telecom resources processed by the module are lost since the module is out of service, however there is no impact on OAM services of the module.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-721 IK4009204 - NO CONTACT TO BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4009204 (4686) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The controller can no longer communicate with this unit.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the board connectivity.		

**Table 26-722 IK4009205 - AUTOTEST FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009205 (4687) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: AUTOTEST FAILURE (637) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the self test of the module reported an error.		
<b>Impact:</b> The telecom resources processed by the module are lost since the module is out of service, however there is no impact on OAM services of the module.		
<b>Remedial action:</b> Reset the eNB. If the alarm persists, replace the module.		

Table 26-723 IK4009209 - NO CONTACT TO BOARD

Alarm	Attributes	Applicable major releases
Name: IK4009209 (4688) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: NO CONTACT TO BOARD (667) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The controller can no longer communicate with this unit.		
<b>Impact:</b> OAM inventory reporting is incorrect OAM:Metro Dock reporting degraded		
<b>Remedial action:</b> Check for connectivity with the board.		

Table 26-724 IK4010001 - RET UNREADABLE MANUFACTURER DATA

Alarm	Attributes	Applicable major releases
Name: IK4010001 (2664) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET UNREADABLE MANUFACTURER DATA (786) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to read manufacturer data record.		
<b>Impact:</b> The RET may not respond to tilt requests.		
<b>Remedial action:</b> Reset the RET, replace if necessary.		

Table 26-725 IK4010002 - RET MOTOR JAM

Alarm	Attributes	Applicable major releases
Name: IK4010002 (2665) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET MOTOR JAM (787) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET motor cannot move.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET actuator.		

**Table 26-726 IK4010003 - RET ACTUATOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010003 (2666) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR JAM (788) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET actuator.		

**Table 26-727 IK4010004 - RET NOT CALIBRATED**

Alarm	Attributes	Applicable major releases
Name: IK4010004 (2667) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET NOT CALIBRATED (789) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET device has not completed a calibration operation, or calibration has been lost		
<b>Impact:</b> RET tilt angle may not be accurate.		
<b>Remedial action:</b> Execute the RET calibration procedure.		

**Table 26-728 IK4010005 - RET NOT CONFIGURED**

Alarm	Attributes	Applicable major releases
Name: IK4010005 (2668) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET NOT CONFIGURED (790) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET actuator antenna configuration file is missing.		
<b>Impact:</b> No Antenna Tilt Function.		
<b>Remedial action:</b> Download proper ACF configuration data and repeat calibration.		

Table 26-729 IK4010006 - RET HW FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4010006 (2669) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET HW FAILURE (791) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a general hardware failure.		
<b>Impact:</b> The RET is out of service.		
<b>Remedial action:</b> Reset the RET, replace the RET if the problem persists.		

Table 26-730 IK4010007 - RET ACTUATOR INTERFERENCE

Alarm	Attributes	Applicable major releases
Name: IK4010007 (2670) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE (792) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an actuator movement outside the control of the RET unit. Probable cause is manual interference.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check the antenna panel for mechanical interference.		

Table 26-731 IK4010008 - RET SOFTWARE FAIL

Alarm	Attributes	Applicable major releases
Name: IK4010008 (2671) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: minor Specific problem: RET SOFTWARE FAIL (793) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a general RET SW failure.		
<b>Impact:</b> The RET is out of service.		
<b>Remedial action:</b> Reset the RET. If the problem persists then download new software to the RET, otherwise replace the RET.		

**Table 26-732 IK4010009 - RET ALD UNIT SUPPORT WRONG AISG VERSION**

Alarm	Attributes	Applicable major releases
Name: IK4010009 (2672) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ALD UNIT SUPPORT WRONG AISG VERSION (794) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the ALD unit does not support AISG version 2.0.		
<b>Impact:</b> The RET is out of service.		
<b>Remedial action:</b> Upgrade the software.		

**Table 26-733 IK4010010 - RET LOSS OF COMM**

Alarm	Attributes	Applicable major releases
Name: IK4010010 (2673) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET LOSS OF COMM (795) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM that acts as an AISG Controller lost communication to the RET unit.		
<b>Impact:</b> Loss of alarm reporting by the RET.		
<b>Remedial action:</b> Inspect and repair the AISG bus if needed, otherwise replace the RET.		

**Table 26-734 IK4010011 - RET FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4010011 (3205) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET FAULT 1 (796) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RET fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		



Table 26-735 IK4010012 - RET FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4010012 (3206) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET FAULT 2 (797) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RET fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-736 IK4010013 - RET FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4010013 (3207) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET FAULT 3 (798) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RET fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

Table 26-737 IK4010014 - RET FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4010014 (3208) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET FAULT 4 (799) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RET fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-738 IK4010015 - RET FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4010015 (3209) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET FAULT 5 (800) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RET fault.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-739 IK4010016 - RET INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4010016 (3813) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET INDETERMINATE OPERATIONAL FAILURE (801) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the RET has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Antenna tilt may not function while this alarm is present, but cell operation is unaffected (though antenna tilt position may be unknown)		
<b>Remedial action:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the RET.		

**Table 26-740 IK4010017 - RET SUBUNIT 2 MOTOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010017 (3814) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 2 MOTOR JAM (802) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 2 motor cannot move.		
<b>Impact:</b> Loss of antenna tilt motion for Subunit 2		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 2 actuator.		

**Table 26-741 IK4010018 - RET SUBUNIT 2 ACTUATOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010018 (3815) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 2 ACTUATOR JAM (803) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RET Subunit 2 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
<b>Impact:</b> Loss of antenna tilt motion for Subunit 2		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 2 actuator.		

**Table 26-742 IK4010019 - RET SUBUNIT 2 NOT CALIBRATED**

Alarm	Attributes	Applicable major releases
Name: IK4010019 (3816) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 2 NOT CALIBRATED (804) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 2 device has not completed a calibration operation, or calibration has been lost		
<b>Impact:</b> RET Subunit 3 needs re-calibration for Subunit 2		
<b>Remedial action:</b> Execute the RET Subunit 2 calibration procedure.		

**Table 26-743 IK4010020 - RET SUBUNIT 2 NOT CONFIGURED**

Alarm	Attributes	Applicable major releases
Name: IK4010020 (3817) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 2 NOT CONFIGURED (805) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 2 actuator antenna configuration file is missing.		
<b>Impact:</b> No Antenna Tilt Function for Subunit 2		
<b>Remedial action:</b> Download proper ACF configuration data to Subunit 2 and repeat calibration.		

**Table 26-744 IK4010021 - RET SUBUNIT 3 MOTOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010021 (3818) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 3 MOTOR JAM (806) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 3 motor cannot move.		
<b>Impact:</b> Loss of antenna tilt motion Subunit 3		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 3 actuator.		

**Table 26-745 IK4010022 - RET SUBUNIT 3 ACTUATOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010022 (3819) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 3 ACTUATOR JAM (807) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RET Subunit 3 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
<b>Impact:</b> Loss of antenna tilt motion Subunit 3		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 3 actuator.		

**Table 26-746 IK4010023 - RET SUBUNIT 3 NOT CALIBRATED**

Alarm	Attributes	Applicable major releases
Name: IK4010023 (3820) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 3 NOT CALIBRATED (808) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 3 device has not completed a calibration operation, or calibration has been lost		
<b>Impact:</b> RET Subunit 3 needs re-calibration		
<b>Remedial action:</b> Execute the RET calibration procedure for Subunit 3.		

Table 26-747 IK4010024 - RET SUBUNIT 3 NOT CONFIGURED

Alarm	Attributes	Applicable major releases
Name: IK4010024 (3821) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 3 NOT CONFIGURED (809) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 3 actuator antenna configuration file is missing.		
<b>Impact:</b> No Antenna Tilt Function for Subunit 3.		
<b>Remedial action:</b> Download proper ACF configuration data to subunit 3 and repeat calibration.		

Table 26-748 IK4010025 - RET SUBUNIT 4 MOTOR JAM

Alarm	Attributes	Applicable major releases
Name: IK4010025 (3822) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 MOTOR JAM (810) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 4 motor cannot move.		
<b>Impact:</b> Loss of antenna tilt motion Subunit 4		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 4 actuator.		

Table 26-749 IK4010026 - RET SUBUNIT 4 ACTUATOR JAM

Alarm	Attributes	Applicable major releases
Name: IK4010026 (3823) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 ACTUATOR JAM (811) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RET Subunit 4 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
<b>Impact:</b> Loss of antenna tilt motion Subunit 4		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 4 actuator.		

**Table 26-750 IK4010027 - RET SUBUNIT 4 NOT CALIBRATED**

Alarm	Attributes	Applicable major releases
Name: IK4010027 (3824) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 NOT CALIBRATED (812) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 4 device has not completed a calibration operation, or calibration has been lost		
<b>Impact:</b> RET Subunit 4 needs re-calibration		
<b>Remedial action:</b> Execute the RET Subunit 4 calibration procedure.		

**Table 26-751 IK4010028 - RET SUBUNIT 4 NOT CONFIGURED**

Alarm	Attributes	Applicable major releases
Name: IK4010028 (3825) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 4 NOT CONFIGURED (813) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 4 actuator antenna configuration file is missing.		
<b>Impact:</b> No Antenna Tilt Function for Subunit 4.		
<b>Remedial action:</b> Download proper ACF configuration data to Subunit 4 and repeat calibration.		

**Table 26-752 IK4010029 - RET ACTUATOR INTERFERENCE 1**

Alarm	Attributes	Applicable major releases
Name: IK4010029 (4014) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 1 (814) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an actuator movement outside the control of the RET subunit 1. Probable cause is manual interference.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check the antenna panel for mechanical interference.		

Table 26-753 IK4010030 - RET ACTUATOR INTERFERENCE 2

Alarm	Attributes	Applicable major releases
Name: IK4010030 (4015) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 2 (815) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an actuator movement outside the control of the RET subunit 2. Probable cause is manual interference.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check the antenna panel for mechanical interference.		

Table 26-754 IK4010031 - RET ACTUATOR INTERFERENCE 3

Alarm	Attributes	Applicable major releases
Name: IK4010031 (4016) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 3 (816) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an actuator movement outside the control of the RET subunit 3. Probable cause is manual interference.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check the antenna panel for mechanical interference.		

Table 26-755 IK4010032 - RET ACTUATOR INTERFERENCE 4

Alarm	Attributes	Applicable major releases
Name: IK4010032 (4017) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ACTUATOR INTERFERENCE 4 (817) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an actuator movement outside the control of the RET subunit 4. Probable cause is manual interference.		
<b>Impact:</b> Loss of antenna tilt motion.		
<b>Remedial action:</b> Check the antenna panel for mechanical interference.		

**Table 26-756 IK4010033 - RET SUBUNIT 1 MOTOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010033 (4018) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 MOTOR JAM (818) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 1 motor cannot move.		
<b>Impact:</b> Loss of antenna tilt motion for Subunit 1		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 1 actuator.		

**Table 26-757 IK4010034 - RET SUBUNIT 1 ACTUATOR JAM**

Alarm	Attributes	Applicable major releases
Name: IK4010034 (4019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 ACTUATOR JAM (819) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RET Subunit 1 actuator jam has been detected. No movement of the actuator, but movement of the motor was detected.		
<b>Impact:</b> Loss of antenna tilt motion for Subunit 1		
<b>Remedial action:</b> Check for obstruction of antenna tilt mechanism, or replace failed RET Subunit 1 actuator.		

**Table 26-758 IK4010035 - RET SUBUNIT 1 NOT CALIBRATED**

Alarm	Attributes	Applicable major releases
Name: IK4010035 (4020) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 NOT CALIBRATED (820) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 1 device has not completed a calibration operation, or calibration has been lost		
<b>Impact:</b> Execute the RET Subunit 1 calibration procedure		
<b>Remedial action:</b> Execute the RET Subunit 1 calibration procedure.		



**Table 26-759 IK4010036 - RET SUBUNIT 1 NOT CONFIGURED**

Alarm	Attributes	Applicable major releases
Name: IK4010036 (4021) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SUBUNIT 1 NOT CONFIGURED (821) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RET Subunit 1 actuator antenna configuration file is missing.		
<b>Impact:</b> No Antenna Tilt Function for Subunit 1		
<b>Remedial action:</b> Download proper ACF configuration data to Subunit 1 and repeat calibration.		

**Table 26-760 IK4010038 - ALL SUBUNITS IN ALARM STATUS**

Alarm	Attributes	Applicable major releases
Name: IK4010038 (4690) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: ALL SUBUNITS IN ALARM STATUS (822) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that all the subunits (or the only unit of a single subunit device) are in alarm.		
<b>Impact:</b> Tilt of the antennas supported by this RET cannot be adjusted.		
<b>Remedial action:</b> Refer to the alarm reported for the specific subunits and correct the fault or replace the unit as necessary.		

**Table 26-761 IK4010039 - RET INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4010039 (5238) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET INDETERMINATE OPERATIONAL FAILURE (801) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure of the RET has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> Antenna tilt may not function while this alarm is present, but cell operation is unaffected (though antenna tilt position may be unknown)		
<b>Remedial action:</b> The unit is automatically reset to attempt to clear the fault. If the problem persists then replace the RET.		

**Table 26-762 IK4011003 - ANTENNA\_PORT GAIN CONTROL WARNING TX**

Alarm	Attributes	Applicable major releases
Name: IK4011003 (3212) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT GAIN CONTROL WARNING TX (825) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFM in Macro eNB or RFME in Metro eNB may not be able to maintain normal transmit gain on this port, but the port is still transmitting.		
<b>Impact:</b> The RFM port in Macro or RFME port in Metro is still transmitting but possibly at reduced power output. The associated cell is degraded.		
<b>Remedial action:</b> Check the RFM (Macro) or RFME (Metro) environment. If no environmental problems are present then reset the RFM (Macro eNB) or reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then prepare for possible failure of the unit, replacement may be necessary.		

**Table 26-763 IK4011004 - ANTENNA\_PORT TX FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4011004 (3213) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TX FAIL (826) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RF transmission has failed on this port.		
<b>Impact:</b> The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port. The associated cell is degraded.		
<b>Remedial action:</b> Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

**Table 26-764 IK4011005 - ANTENNA\_PORT GAIN CONTROL TX**

Alarm	Attributes	Applicable major releases
Name: IK4011005 (3214) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT GAIN CONTROL TX (827) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM in Macro eNB or RFME in Metro eNB cannot provide the required RF gain on this port and is no longer transmitting.		

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Alarm	Attributes	Applicable major releases
<b>Impact:</b> The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port. The associated cell is degraded.		
<b>Remedial action:</b> Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

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Table 26-765 IK4011006 - ANTENNA\_PORT RF OUTPUT OVRDRV TX

Alarm	Attributes	Applicable major releases
Name: IK4011006 (3215) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT RF OUTPUT OVRDRV TX (828) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFM in Macro eNB or RFME in Metro has detected that transmit power on this port is too high so transmission for the port has been turned off. The turn off may also be caused by High reflected power: if the antenna cable is disconnected or damaged, or the antenna is damaged there may be high RF power levels reflected back into the RFM antenna port. RFMs can absorb a certain amount of this but newer high power units may not be able to absorb high return levels and so need to shut down. The power off may be also be due to High input IQ slew rates- internal slew detectors shut down the transmit path if the IQ levels swing too much for too long (5 seconds)		
<b>Impact:</b> The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port. The associated cell is degraded.		
<b>Remedial action:</b> Check for proper downlink power settings of the cells assigned to this port. Check also if the antenna cable is disconnected or damaged, or if the antenna is damaged, this may be the cause of High Reflected Power. Check also the CPRI cable connection, that may be the cause of High Input slew detectors		

Table 26-766 IK4011007 - ANTENNA\_PORT RX FAIL

Alarm	Attributes	Applicable major releases
Name: IK4011007 (3216) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT RX FAIL (829) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the receiver for this port has failed.		
<b>Impact:</b> Reception on this port is no longer functioning, but the cell may still be partially supported on another port. The associated cell is degraded.		
<b>Remedial action:</b> Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment."		

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Table 26-767 IK4011008 - ANTENNA\_PORT EQUIP FAIL TX

Alarm	Attributes	Applicable major releases
Name: IK4011008 (3217) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT EQUIP FAIL TX (830) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the transmit amplifier for this port does not function and transmission for the port is turned off.		
<b>Impact:</b> The RFM port in Macro or RFME port in Metro is no longer transmitting, but the cell may still be partially supported on another port. The associated cell is degraded.		
<b>Remedial action:</b> Reset the RRH. After resetting the RRH, if the transmission continues on only one port and the same alarm is generated, check the RFM HW and replace the RFM.		

Table 26-768 IK4011009 - ANTENNA\_PORT DIGITAL INPUT OVRDRV TX

Alarm	Attributes	Applicable major releases
Name: IK4011009 (3218) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT DIGITAL INPUT OVRDRV TX (831) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the digital transmit signal from the modem is too high for the RFM in Macro or RFME in Metro.		
<b>Impact:</b> Transmission on the port is degraded but still functioning. Cell performance may be degraded.		
<b>Remedial action:</b> Reset RFM. Use the reset command on the SAM, or reset using the remote connection to NEM. If the alarm persists, contact the next level of support for a complete action plan involving, HW, SW and Eng parameters.		

Table 26-769 IK4011010 - ANTENNA\_PORT TX VSWR THRESH1

Alarm	Attributes	Applicable major releases
Name: IK4011010 (3219) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ANTENNA_PORT TX VSWR THRESH1 (832) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF transmit power reflected back into this port exceeds the warning alarm threshold.		
<b>Impact:</b> The eNodeB performance is degraded due to TX losses.		

(1 of 2)

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the cabling between Radio Module output and antenna. Check the connection torque value between the Radio Module and the bulkhead. If the alarm persists then reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If this fails to clear the alarm then replace the antenna.		

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**Table 26-770 IK4011011 - ANTENNA\_PORT TX VSWR THRESH2**

Alarm	Attributes	Applicable major releases
Name: IK4011011 (3220) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TX VSWR THRESH2 (833) Implicitly cleared: true Default probable cause: adapterError (688)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF transmit power reflected back into this port exceeds the urgent alarm threshold.		
<b>Impact:</b> The eNodeB performance is degraded due to TX losses.		
<b>Remedial action:</b> Check the cabling between Radio Module output and antenna. Check the connection torque value between the Radio Module and the bulkhead. If the alarm persists then reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If this fails to clear the alarm then replace the antenna"		

**Table 26-771 IK4011013 - ANTENNA\_PORT LNA FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4011013 (3222) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: ANTENNA_PORT LNA FAIL (835) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the receive amplifier in the RFM or external filter module has failed.		
<b>Impact:</b> Reception on this port is no longer functioning, but the cell may still be partially supported on another port.		
<b>Remedial action:</b> Reset the RFM (Macro eNB) or in case of Metro all-in-one equipment reset eNB (Metro eNB) at the next maintenance window. If the alarm persists then replace the RFM in Macro or the Metro Equipment or the external filter module.		

**Table 26-772 IK4011014 - ANTENNA\_PORT TTLNA FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4011014 (3223) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT TTLNA FAILURE (836) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the tower-top amplifier has failed or gone into bypass.		
<b>Impact:</b> Reception on this port may be degraded.		
<b>Remedial action:</b> Replace the tower-top amplifier.		

**Table 26-773 IK4011015 - ANTENNA\_PORT FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4011015 (3224) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 1 (837) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified antenna port fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-774 IK4011016 - ANTENNA\_PORT FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4011016 (3225) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 2 (838) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified antenna port fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-775 IK4011017 - ANTENNA\_PORT FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4011017 (3226) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 3 (839) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified antenna port fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-776 IK4011018 - ANTENNA\_PORT FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4011018 (3227) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 4 (840) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified antenna port fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-777 IK4011019 - ANTENNA\_PORT FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4011019 (3228) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: ANTENNA_PORT FAULT 5 (841) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified antenna port fault		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional info for maintenance action details.		

**Table 26-778 IK4012000 - SCB UNREADABLE MANUFACTURER DATA**

Alarm	Attributes	Applicable major releases
Name: IK4012000 (4023) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB UNREADABLE MANUFACTURER DATA (842) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates failure to read manufacturer data record. Flash is available.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> reset if no commissioning data is available from MIM.		

**Table 26-779 IK4012001 - SCB AC MAJOR**

Alarm	Attributes	Applicable major releases
Name: IK4012001 (4024) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB AC MAJOR (843) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates internal Contact AC power fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-780 IK4012002 - SCB AC MINOR**

Alarm	Attributes	Applicable major releases
Name: IK4012002 (4025) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB AC MINOR (844) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates internal Contact AC power fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-781 IK4012003 - SCB AC INPUT OUT OF SPEC

Alarm	Attributes	Applicable major releases
Name: IK4012003 (4026) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB AC INPUT OUT OF SPEC (845) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates internal Contact AC input out of specification.		
<b>Impact:</b> The eNodeB is not operational.		
<b>Remedial action:</b> No action is required.		

Table 26-782 IK4012004 - SCB INDETERMINATE OPERATIONAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4012004 (4027) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB INDETERMINATE OPERATIONAL FAILURE (846) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates generic SW processing failure.		
<b>Impact:</b> Impact will depend on the affected HW unit.		
<b>Remedial action:</b> Reset.		

Table 26-783 IK4012005 - SCB INITIALIZATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4012005 (4028) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB INITIALIZATION FAILURE (847) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that it fails to properly initialize represented resources.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Reset.		

**Table 26-784 IK4012006 - SCB OSC LOSS**

Alarm	Attributes	Applicable major releases
Name: IK4012006 (4029) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB OSC LOSS (848) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that this is a maintenance error that indicates HW failure of the OSC.		
<b>Impact:</b> The module is not usable. The eNodeB is not operational.		
<b>Remedial action:</b> Requires eNB replacement.		

**Table 26-785 IK4012007 - SCB GPS 1PPS LOSS**

Alarm	Attributes	Applicable major releases
Name: IK4012007 (4030) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS 1PPS LOSS (849) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of 1PPS timing to timing circuitry.		
<b>Impact:</b> eNodeB uses a lower priority clock reference source or goes into holdover.		
<b>Remedial action:</b> No action is required.		

**Table 26-786 IK4012008 - SCB FILE SYSTEM ACCESS FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4012008 (4031) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FILE SYSTEM ACCESS FAILURE (850) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to access files in active or passive partition.		
<b>Impact:</b> Software download is not possible.		
<b>Remedial action:</b> No action is required.		

Table 26-787 IK4012009 - SCB FLYWHEEL CRITICAL

Alarm	Attributes	Applicable major releases
Name: IK4012009 (4032) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB FLYWHEEL CRITICAL (851) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Flywheel (free-running) time limit reached.		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> Reset.		

Table 26-788 IK4012010 - SCB FLYWHEEL MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4012010 (4033) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FLYWHEEL MAJOR (852) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Flywheel (free-running) time reached major threshold.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> No action is required.		

Table 26-789 IK4012011 - SCB FLYWHEEL MINOR

Alarm	Attributes	Applicable major releases
Name: IK4012011 (4034) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FLYWHEEL MINOR (853) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Flywheel (free-running) time reached minor threshold.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> No action is required.		

**Table 26-790 IK4012012 - SCB FLYWHEEL START**

Alarm	Attributes	Applicable major releases
Name: IK4012012 (4035) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB FLYWHEEL START (854) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the Flywheel (free-running) started.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> No action is required.		

**Table 26-791 IK4012013 - SCB FAULT RAI CPRI PORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4012013 (4036) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT RAI CPRI PORT 1 (855) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the fault of CPRI port. Change the K_IET_CMLPX_CPRI_STATE_n to (disable/failed/NA).		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Reset RFME.		

**Table 26-792 IK4012014 - SCB FAULT RAI CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4012014 (4037) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT RAI CPRI PORT 2 (856) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the fault of CPRI port. Change the K_IET_CMLPX_CPRI_STATE_n to (disable/failed/NA).		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Reset RFME.		

Table 26-793 IK4012019 - SCB FAULT SDI CPRIPORT 1

Alarm	Attributes	Applicable major releases
Name: IK4012019 (4038) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT SDI CPRIPORT 1 (857) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that SAP defects indication received.		
<b>Impact:</b> No impact on eNB.		
<b>Remedial action:</b> No action is required.		

Table 26-794 IK4012020 - SCB FAULT SDI CPRIPORT 2

Alarm	Attributes	Applicable major releases
Name: IK4012020 (4039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT SDI CPRIPORT 2 (858) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that SAP defects indication received.		
<b>Impact:</b> No impact on eNB.		
<b>Remedial action:</b> No action is required.		

Table 26-795 IK4012025 - SCB FAULT LOS LOF CPRIPORT 1

Alarm	Attributes	Applicable major releases
Name: IK4012025 (4040) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT LOS LOF CPRIPORT 1 (859) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates loss of signal or loss of frame. Change the K_IET_CMPLX_CPRI_STATE_n to (disable/failed/NA).		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> No action is required.		

**Table 26-796 IK4012026 - SCB FAULT LOS LOF CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4012026 (4041) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB FAULT LOS LOF CPRI PORT 2 (860) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates loss of signal or loss of frame. Change the K_IET_CMPLX_CPRI_STATE_n to (disable/failed/NA).		
<b>Impact:</b> The LTE service is affected.		
<b>Remedial action:</b> No action is required.		

**Table 26-797 IK4012030 - SCB INDETERMINATE OPERATIONAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4012030 (5239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB INDETERMINATE OPERATIONAL FAILURE (846) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates generic SW processing failure.		
<b>Impact:</b> Impact will depend on the affected HW unit.		
<b>Remedial action:</b> Reset.		

**Table 26-798 IK4012031 - SCB ALL CPRI PORTS FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4012031 (4042) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB ALL CPRI PORTS FAILED (861) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that all CPRI ports in use are disabled due to fault condition other than missing.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> No action is required.		

Table 26-799 IK4012032 - SCB OSC OVER TEMP

Alarm	Attributes	Applicable major releases
Name: IK4012032 (4043) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB OSC OVER TEMP (862) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates pluggable OSM is operating at a temperature above spec limit causing performance to be degraded.		
<b>Impact:</b> The LTE performance is low.		
<b>Remedial action:</b> No action is required.		

Table 26-800 IK4012033 - SCB SYSTEM CLOCK UNAVAILABLE

Alarm	Attributes	Applicable major releases
Name: IK4012033 (4044) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB SYSTEM CLOCK UNAVAILABLE (863) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the system clock is not available. The alarm is applicable for 1588 system clock, syncE, GPS and external reference sources.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the synchronization sources and provisioning.		

Table 26-801 IK4012034 - SCB LOSS OF PRIMARY REFERENCE

Alarm	Attributes	Applicable major releases
Name: IK4012034 (4045) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB LOSS OF PRIMARY REFERENCE (864) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the primary reference source is not available.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> Check the primary reference source.		

**Table 26-802 IK4012035 - SCB LOSS OF SYNCE**

Alarm	Attributes	Applicable major releases
Name: IK4012035 (4046) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB LOSS OF SYNCE (865) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that Ethernet clock is insufficient to maintain 50ppb on the air interface.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-803 IK4012036 - SCB GPS ANT**

Alarm	Attributes	Applicable major releases
Name: IK4012036 (4047) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS ANT (866) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates GPS Antenna failure. Set only if GPS sync source is enabled.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-804 IK4012037 - SCB GPS RECEIVER**

Alarm	Attributes	Applicable major releases
Name: IK4012037 (4048) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS RECEIVER (867) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the GPS receiver has failed and cannot provide a timing reference signal.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-805 IK4012038 - SCB GPS RECEIVER COMM FAIL

Alarm	Attributes	Applicable major releases
Name: IK4012038 (4049) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS RECEIVER COMM FAIL (868) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the GPS receiver communication failure.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-806 IK4012039 - SCB GPS ANT POSITION UNKNOWN

Alarm	Attributes	Applicable major releases
Name: IK4012039 (4050) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB GPS ANT POSITION UNKNOWN (869) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates GPS antenna position unknown. Set only if Geo-Based location service required.		
<b>Impact:</b> Impacts the location-based service.		
<b>Remedial action:</b> Check the position of the GPS antenna.		

Table 26-807 IK4012040 - SCB OVER TEMP MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4012040 (4051) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB OVER TEMP MAJOR (870) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the CCM temperature is rising near the shutdown limit.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> No action is required.		

**Table 26-808 IK4012041 - SCB OVER TEMP CRITICAL**

Alarm	Attributes	Applicable major releases
Name: IK4012041 (4052) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB OVER TEMP CRITICAL (871) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the CCM temperature is above operating range.		
<b>Impact:</b> The LTE service is still possible until auto shutdown.		
<b>Remedial action:</b> Board will autonomously power down.		

**Table 26-809 IK4012042 - SCB PTP LOSS OF PRIMARY SYNCHRONIZATION**

Alarm	Attributes	Applicable major releases
Name: IK4012042 (4053) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP LOSS OF PRIMARY SYNCHRONIZATION (872) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates indicate the lack of SYNCH message from the primary server when SYNCH messages have not been received for the period set by the SYNCH_RECEIPT_TIMEOUT_EXPIRES event in the client .		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-810 IK4012043 - SCB PTP LOSS OF SECONDARY SYNCHRONIZATION**

Alarm	Attributes	Applicable major releases
Name: IK4012043 (4054) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB PTP LOSS OF SECONDARY SYNCHRONIZATION (873) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates indicate the lack of SYNCH message from the secondary server when SYNCH messages have not been received for the period set by the SYNCH_RECEIPT_TIMEOUT_EXPIRES event in the client .		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-811 IK4012044 - SCB UNEXPECTED LONG INITIALIZATION**

Alarm	Attributes	Applicable major releases
Name: IK4012044 (4055) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB UNEXPECTED LONG INITIALIZATION (874) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that PTP engine has taken longer than expected to achieve complete synchronization.		
<b>Impact:</b> The LTE service is affected with 1588 PTP as synchronization reference. However, the eNB may synchronize to an alternative available source.		
<b>Remedial action:</b> No action is required.		

**Table 26-812 IK4012045 - SCB PTP CLIENT INITIALIZING 1**

Alarm	Attributes	Applicable major releases
Name: IK4012045 (4056) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB PTP CLIENT INITIALIZING 1 (875) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the alarm is active on cold-start when the primary Grandmaster server is in the initializing state.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-813 IK4012046 - SCB PTP CLIENT INITIALIZING 2**

Alarm	Attributes	Applicable major releases
Name: IK4012046 (4057) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB PTP CLIENT INITIALIZING 2 (876) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the alarm is active on cold-start when the secondary Grandmaster server is in the initializing state.		
<b>Impact:</b> If the reference resource is immediately rectified, there is no impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-814 IK4012047 - SCB GPS LOCK FAILURE CRITICAL**

Alarm	Attributes	Applicable major releases
Name: IK4012047 (4058) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB GPS LOCK FAILURE CRITICAL (877) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that GPS is not locked.		
<b>Impact:</b> If the alarm persists, it will impact the LTE service.		
<b>Remedial action:</b> No action is required.		

**Table 26-815 IK4012048 - SCB LOOPBACK INACTIVITY**

Alarm	Attributes	Applicable major releases
Name: IK4012048 (4059) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB LOOPBACK INACTIVITY (878) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates there is no packet activity for the interval specified in the loopback activation.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-816 IK4012049 - SCB INIT GPS SELF SURVEY**

Alarm	Attributes	Applicable major releases
Name: IK4012049 (4060) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB INIT GPS SELF SURVEY (879) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that if high accuracy GPS self survey has not been successfully completed after 24 hours. This survey will continue after the fault is raised until either it completes successful or long survey is disabled.		
<b>Impact:</b> Synchronization accuracy too low to support OTDOA.		
<b>Remedial action:</b> No action is required.		

**Table 26-817 IK4012050 - SCB INIT GPS SELF SURVEY INPROGRESS**

Alarm	Attributes	Applicable major releases
Name: IK4012050 (4061) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB INIT GPS SELF SURVEY INPROGRESS (880) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that it is raised to represents the (10hour) self survey time required upon initial GPS lock, for the eNB to gain its GPS location to the accuracy required to support OTDOA.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-818 IK4012051 - SCB GPS INSUFFICIENT FIXED SATELLITES**

Alarm	Attributes	Applicable major releases
Name: IK4012051 (4062) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB GPS INSUFFICIENT FIXED SATELLITES (881) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the available fixed satellites are less than the required ones to get GPS synchronization. The alarm will only be generated when GPS is configured as the synchronization source.		
<b>Impact:</b> The GPS synchronisation is not possible.		
<b>Remedial action:</b> No action is required.		

**Table 26-819 IK4012052 - SCB LAYER 1 SOFTWARE WARNING 1**

Alarm	Attributes	Applicable major releases
Name: IK4012052 (4063) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 1 (882) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-820 IK4012053 - SCB LAYER 1 SOFTWARE WARNING 2**

Alarm	Attributes	Applicable major releases
Name: IK4012053 (4064) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 2 (883) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-821 IK4012054 - SCB LAYER 1 SOFTWARE WARNING 3**

Alarm	Attributes	Applicable major releases
Name: IK4012054 (4065) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 1 SOFTWARE WARNING 3 (884) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-822 IK4012055 - SCB LAYER 2 SOFTWARE WARNING 1**

Alarm	Attributes	Applicable major releases
Name: IK4012055 (4066) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 1 (885) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 2 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-823 IK4012056 - SCB LAYER 2 SOFTWARE WARNING 2

Alarm	Attributes	Applicable major releases
Name: IK4012056 (4067) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 2 (886) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 2 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-824 IK4012057 - SCB LAYER 2 SOFTWARE WARNING 3

Alarm	Attributes	Applicable major releases
Name: IK4012057 (4068) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB LAYER 2 SOFTWARE WARNING 3 (887) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 2 software warning.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-825 IK4012058 - SCB LED FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4012058 (4069) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB LED FAILURE (888) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to control face-plate LEDs.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-826 IK4012059 - SCB DIV IMBALANCE 1

Alarm	Attributes	Applicable major releases
Name: IK4012059 (4070) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 1 (889) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-827 IK4012060 - SCB DIV IMBALANCE 2

Alarm	Attributes	Applicable major releases
Name: IK4012060 (4071) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 2 (890) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-828 IK4012061 - SCB DIV IMBALANCE 3

Alarm	Attributes	Applicable major releases
Name: IK4012061 (4072) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SCB DIV IMBALANCE 3 (891) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-829 IK4012062 - METRO BOX DOOR ALARM

Alarm	Attributes	Applicable major releases
Name: IK4012062 (4073) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: METRO BOX DOOR ALARM (892) Implicitly cleared: true Default probable cause: enclosureDoorOpen (900)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the Metro box was opened.		
<b>Impact:</b> The eNodeB equipment is accessible and easily tampered. No immediate impact on call processing.		
<b>Remedial action:</b> No action is required.		

Table 26-830 IK4012063 - SCB FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4012063 (4074) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 1 (609) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified SCB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-831 IK4012064 - SCB FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4012064 (4075) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB FAULT 2 (610) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified SCB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-832 IK4012065 - SCB FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4012065 (4076) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 3 (611) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified SCB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-833 IK4012066 - SCB FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4012066 (4077) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 4 (893) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified SCB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-834 IK4012067 - SCB FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4012067 (4078) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SCB FAULT 5 (894) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified SCB fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-835 IK4012068 - SCB GPS LOCK FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4012068 (4691) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SCB GPS LOCK FAILURE (895) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that GPS satellite lock has been lost after timing has been synchronized.		
<b>Impact:</b> The alarm will impact LTE service if the fault persists past the timing holdover period.		
<b>Remedial action:</b> Check the GPS antenna placement, GPS antenna status, or GPS antenna cable. Replace the External GPS Receiver or SCB (if using internal GPS receiver).		

Table 26-836 IK4012069 - SCB GPS INSUFFICIENT VISIBLE SATELLITES

Alarm	Attributes	Applicable major releases
Name: IK4012069 (4692) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB GPS INSUFFICIENT VISIBLE SATELLITES (896) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that insufficient visible satellites are available to get GPS synchronization.		
<b>Impact:</b> GPS synchronisation is not possible.		
<b>Remedial action:</b> Check the GPS antenna location and status. Replace GPS antenna, cable or receiver if necessary.		

Table 26-837 IK4012070 - SCB L1 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major releases
Name: IK4012070 (4693) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 1 (897) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on this modem slice.		
<b>Remedial action:</b> Reset the modem.		

**Table 26-838 IK4012071 - SCB L1 SOFTWARE FAIL SLICE 2**

Alarm	Attributes	Applicable major releases
Name: IK4012071 (4694) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 2 (898) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on this modem slice.		
<b>Remedial action:</b> Reset the modem.		

**Table 26-839 IK4012072 - SCB L1 SOFTWARE FAIL SLICE 3**

Alarm	Attributes	Applicable major releases
Name: IK4012072 (4695) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L1 SOFTWARE FAIL SLICE 3 (899) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on this modem slice.		
<b>Remedial action:</b> Reset the modem.		

**Table 26-840 IK4012073 - SCB L1 HARDWARE FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4012073 (4696) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCB L1 HARDWARE FAIL (900) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware failure.		
<b>Impact:</b> LTE service is not possible on the modem.		
<b>Remedial action:</b> Reset the Modem Function, replace the eNodeB if the problem persists.		

Table 26-841 IK4012074 - SCB L2 SOFTWARE FAIL SLICE 1

Alarm	Attributes	Applicable major releases
Name: IK4012074 (4697) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 1 (901) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on the modem.		
<b>Remedial action:</b> Reset the modem.		

Table 26-842 IK4012075 - SCB L2 SOFTWARE FAIL SLICE 2

Alarm	Attributes	Applicable major releases
Name: IK4012075 (4698) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 2 (902) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on the modem.		
<b>Remedial action:</b> Reset the modem.		

Table 26-843 IK4012076 - SCB L2 SOFTWARE FAIL SLICE 3

Alarm	Attributes	Applicable major releases
Name: IK4012076 (4699) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: SCB L2 SOFTWARE FAIL SLICE 3 (903) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on the Modem Function.		
<b>Impact:</b> LTE service is not possible on the modem.		
<b>Remedial action:</b> Reset the modem.		

**Table 26-844 IK4012077 - BTS PACKAGE TYPE NOT RECOGNIZED**

Alarm	Attributes	Applicable major releases
Name: IK4012077 (4700) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: BTS PACKAGE TYPE NOT RECOGNIZED (904) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the BTS package type is not recognized.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Re-configure to correct BTS package type.		

**Table 26-845 IK4013000 - RFME COMM FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4013000 (4079) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME COMM FAIL (905) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the loss of RFME communication.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> No action is required.		

**Table 26-846 IK4013001 - RFME UNDER TEMP**

Alarm	Attributes	Applicable major releases
Name: IK4013001 (4080) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME UNDER TEMP (906) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFME ambient temperature is low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-847 IK4013002 - RFME WARM UP

Alarm	Attributes	Applicable major releases
Name: IK4013002 (4081) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME WARM UP (907) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFME ambient temperature is too low.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Wait.		

Table 26-848 IK4013003 - RFME OVER TEMP WARNING

Alarm	Attributes	Applicable major releases
Name: IK4013003 (4082) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME OVER TEMP WARNING (908) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFME ambient temperature is high.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-849 IK4013004 - RFME CRITICAL TEMP

Alarm	Attributes	Applicable major releases
Name: IK4013004 (4083) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME CRITICAL TEMP (909) Implicitly cleared: true Default probable cause: heatingOrVentilationOrCoolingSystemProblem (701)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RFME temperature is high.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Disable.		

**Table 26-850 IK4013005 - RFME ST CRITICAL FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4013005 (4084) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME ST CRITICAL FAIL (910) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFME Hardware failure.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Init.		

**Table 26-851 IK4013006 - RFME INIT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4013006 (4085) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME INIT FAILURE (911) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFME initialization failure.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Init.		

**Table 26-852 IK4013008 - RFME SIGNAL QUALITY**

Alarm	Attributes	Applicable major releases
Name: IK4013008 (4087) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL QUALITY (913) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RFME signal quality.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module may not be operational.		
<b>Remedial action:</b> No action is required.		



Table 26-853 IK4013009 - RFME INPUT VOLTAGE FAIL

Alarm	Attributes	Applicable major releases
Name: IK4013009 (4088) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME INPUT VOLTAGE FAIL (914) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the input voltage is very high or very low.		
<b>Impact:</b> If the RRH is not usable, the associated LTE cells are not operational.		
<b>Remedial action:</b> No action is required.		

Table 26-854 IK4013010 - RFME PWR CONVERTER FAIL

Alarm	Attributes	Applicable major releases
Name: IK4013010 (4089) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME PWR CONVERTER FAIL (915) Implicitly cleared: true Default probable cause: powerProblem (911)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFME internal power converter has failed.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Init.		

Table 26-855 IK4013011 - RFME CLOCK FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4013011 (4090) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME CLOCK FAILURE (916) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFME cannot derive proper clock signal from the incoming CPRI link.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Init		

**Table 26-856 IK4013012 - RFME RF SYNTH FAIL**

Alarm	Attributes	Applicable major releases
Name: IK4013012 (4091) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: RFME RF SYNTH FAIL (917) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The RFME internal frequency synthesizer is out of lock.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Init.		

**Table 26-857 IK4013015 - RFME UNREADABLE MANUFACTURER DATA**

Alarm	Attributes	Applicable major releases
Name: IK4013015 (4092) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: RFME UNREADABLE MANUFACTURER DATA (918) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the manufacturer data.		
<b>Impact:</b> Cells related to RRH are out of service.		
<b>Remedial action:</b> Init		

**Table 26-858 IK4013016 - RFME FAULT DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4013016 (4093) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT DOWNLOAD FAILURE (919) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software download failure.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-859 IK4013017 - RFME BIST PARTIAL

Alarm	Attributes	Applicable major releases
Name: IK4013017 (4094) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME BIST PARTIAL (920) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that at least one failure was detected during power on self-test, but the unit may still be functional, though in a degraded state.		
<b>Impact:</b> The eNodeB performance is low.		
<b>Remedial action:</b> No action is required.		

Table 26-860 IK4013018 - RFME LINK LOF PORT1

Alarm	Attributes	Applicable major releases
Name: IK4013018 (4095) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT1 (921) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

Table 26-861 IK4013019 - RFME LINK LOF PORT2

Alarm	Attributes	Applicable major releases
Name: IK4013019 (4096) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT2 (922) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

**Table 26-862 IK4013020 - RFME LINK LOF PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4013020 (4097) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOF PORT3 (923) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that framing cannot be recovered at the slave link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

**Table 26-863 IK4013021 - RFME LINK LOS PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4013021 (4098) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT1 (924) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

**Table 26-864 IK4013022 - RFME LINK LOS PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4013022 (4099) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT2 (925) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

Table 26-865 IK4013023 - RFME LINK LOS PORT3

Alarm	Attributes	Applicable major releases
Name: IK4013023 (4100) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK LOS PORT3 (926) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that no signal is detected at the link port. This alarm is enabled only after the link is established.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

Table 26-866 IK4013024 - RFME LINK RAI PORT1

Alarm	Attributes	Applicable major releases
Name: IK4013024 (4101) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT1 (927) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

Table 26-867 IK4013025 - RFME LINK RAI PORT2

Alarm	Attributes	Applicable major releases
Name: IK4013025 (4102) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT2 (928) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

**Table 26-868 IK4013026 - RFME LINK RAI PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4013026 (4103) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME LINK RAI PORT3 (929) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming slave link RAI bit is set.		
<b>Impact:</b> Possibly repetitions at higher levels. The capacity of the module can be reduced.		
<b>Remedial action:</b> No action is required.		

**Table 26-869 IK4013027 - RFME SIGNAL LOW PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4013027 (4104) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT1 (930) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-870 IK4013028 - RFME SIGNAL LOW PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4013028 (4105) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT2 (931) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-871 IK4013029 - RFME SIGNAL LOW PORT3

Alarm	Attributes	Applicable major releases
Name: IK4013029 (4106) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME SIGNAL LOW PORT3 (932) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the optical signal strength is very low on the slave link port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-872 IK4013030 - RFME BER PORT1

Alarm	Attributes	Applicable major releases
Name: IK4013030 (4107) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT1 (933) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-873 IK4013031 - RFME BER PORT2

Alarm	Attributes	Applicable major releases
Name: IK4013031 (4108) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT2 (934) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-874 IK4013032 - RFME BER PORT3**

Alarm	Attributes	Applicable major releases
Name: IK4013032 (4109) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME BER PORT3 (935) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates excessive bit errors on the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-875 IK4013033 - RFME SIGNAL SDI PORT1**

Alarm	Attributes	Applicable major releases
Name: IK4013033 (4110) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT1 (936) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-876 IK4013034 - RFME SIGNAL SDI PORT2**

Alarm	Attributes	Applicable major releases
Name: IK4013034 (4111) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT2 (937) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-877 IK4013035 - RFME SIGNAL SDI PORT3

Alarm	Attributes	Applicable major releases
Name: IK4013035 (4112) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: major Specific problem: RFME SIGNAL SDI PORT3 (938) Implicitly cleared: true Default probable cause: inputDeviceError (704)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the incoming CPRI link SDI bit is set.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-878 IK4013036 - RFME MESSAGE THROTTLING

Alarm	Attributes	Applicable major releases
Name: IK4013036 (4113) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME MESSAGE THROTTLING (939) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the RF is generating too many messages over the CPRI link.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-879 IK4013037 - RFME FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4013037 (4114) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 1 (940) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFME fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-880 IK4013038 - RFME FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4013038 (4115) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 2 (941) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFME fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-881 IK4013039 - RFME FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4013039 (4116) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 3 (942) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFME fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

**Table 26-882 IK4013040 - RFME FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4013040 (4117) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: RFME FAULT 4 (943) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFME fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-883 IK4013041 - RFME FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4013041 (4118) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFME	Severity: minor Specific problem: RFME FAULT 5 (944) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified RFME fault detected		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> No action is required.		

Table 26-884 IK4014001 - MEDO DETECTION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4014001 (4701) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: MEDO DETECTION FAILURE (947) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to detect the presence of MEDO.		
<b>Impact:</b> OAM: Metro Dock reporting degraded. May impact Telecom Service		
<b>Remedial action:</b> Call the next level of support.		

Table 26-885 IK4014002 - MEDO MEMORY ACCES FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4014002 (4702) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO MEMORY ACCES FAILURE (948) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates the failure to access the EEPROM on the Metro Dock		
<b>Impact:</b> OAM: Metro Dock reporting degraded no impact on Telecom Service		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-886 IK4014003 - MEDO UNREADABLE MANUFACTURER DATA**

Alarm	Attributes	Applicable major releases
Name: IK4014003 (4703) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO UNREADABLE MANUFACTURER DATA (949) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to read the manufacturer data.		
<b>Impact:</b> OAM: Metro Dock reporting degraded no impact on Telecom Service		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-887 IK4014007 - MEDO FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4014007 (4704) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 4 (950) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-888 IK4014008 - MEDO FAULT 5**

Alarm	Attributes	Applicable major releases
Name: IK4014008 (4705) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 5 (951) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

Table 26-889 IK4014009 - MEDO MEMORY ACCESS FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4014009 (4998) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO MEMORY ACCESS FAILURE (952) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to access the EEPROM on the Metro Dock		
<b>Impact:</b> OAM: Metro Dock reporting degraded no impact on Telecom Service		
<b>Remedial action:</b> Call the next level of support.		

Table 26-890 IK4015000 - BB FAILURE SLAVE SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4015000 (5240) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAILURE SLAVE SOC 2 (953) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of a Slave SOC.		
<b>Impact:</b> LTE service is not possible on this BB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. Replace the BB if the problem persists.		

Table 26-891 IK4015001 - BB FAILURE SLAVE SOC 3

Alarm	Attributes	Applicable major releases
Name: IK4015001 (5241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB FAILURE SLAVE SOC 3 (954) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of a Slave SOC.		
<b>Impact:</b> LTE service is not possible on this BB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. Replace the BB if the problem persists.		

**Table 26-892 IK4015002 - BB CARD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4015002 (5242) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB CARD FAILURE (955) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of modem board.		
<b>Impact:</b> LTE service is not possible on this BB.		
<b>Remedial action:</b> The modem board is automatically reset to attempt to clear the fault. Replace the BB if the problem persists.		

**Table 26-893 IK4015007 - BB TRANS LSL CPRI PORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4015007 (5243) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 1 (956) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-894 IK4015008 - BB TRANS LSL CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4015008 (5244) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 2 (957) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-895 IK4015009 - BB TRANS LSL CPRI PORT 3

Alarm	Attributes	Applicable major releases
Name: IK4015009 (5245) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 3 (958) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-896 IK4015010 - BB TRANS LSL CPRI PORT 4

Alarm	Attributes	Applicable major releases
Name: IK4015010 (5246) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 4 (959) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

Table 26-897 IK4015011 - BB TRANS LSL CPRI PORT 5

Alarm	Attributes	Applicable major releases
Name: IK4015011 (5247) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 5 (960) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-898 IK4015012 - BB TRANS LSL CPRI PORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4015012 (5248) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS LSL CPRI PORT 6 (961) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> The incoming optical signal level for this CPRI port is very low.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI link connections, cables, and SFPs and replace as necessary.		

**Table 26-899 IK4015013 - BB LOS LOF CPRI PORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4015013 (5249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRI PORT 1 (962) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

**Table 26-900 IK4015014 - BB LOS LOF CPRI PORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4015014 (5250) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRI PORT 2 (963) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		



Table 26-901 IK4015015 - BB LOS LOF CPRIPORT 3

Alarm	Attributes	Applicable major releases
Name: IK4015015 (5251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 3 (964) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 26-902 IK4015016 - BB LOS LOF CPRIPORT 4

Alarm	Attributes	Applicable major releases
Name: IK4015016 (5252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 4 (965) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

Table 26-903 IK4015017 - BB LOS LOF CPRIPORT 5

Alarm	Attributes	Applicable major releases
Name: IK4015017 (5253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 5 (966) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

**Table 26-904 IK4015018 - BB LOS LOF CPRIPORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4015018 (5254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB LOS LOF CPRIPORT 6 (967) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the CPRI link from the first RFM on this port has failed (Loss of signal and/or loss of framing)		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Check the CPRI link cable and SFPs (BB and RFM) for failures, otherwise reset the RFM or reset the BB		

**Table 26-905 IK4015019 - BB TRANS TX FAILURE CPRIPORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4015019 (5255) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRIPORT 1 (968) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-906 IK4015020 - BB TRANS TX FAILURE CPRIPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4015020 (5256) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRIPORT 2 (969) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-907 IK4015021 - BB TRANS TX FAILURE CPRI PORT 3**

Alarm	Attributes	Applicable major releases
Name: IK4015021 (5257) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 3 (970) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-908 IK4015022 - BB TRANS TX FAILURE CPRI PORT 4**

Alarm	Attributes	Applicable major releases
Name: IK4015022 (5258) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 4 (971) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-909 IK4015023 - BB TRANS TX FAILURE CPRI PORT 5**

Alarm	Attributes	Applicable major releases
Name: IK4015023 (5259) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRI PORT 5 (972) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-910 IK4015024 - BB TRANS TX FAILURE CPRIPORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4015024 (5260) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TRANS TX FAILURE CPRIPORT 6 (973) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure in the BB CPRI port transmitter.		
<b>Impact:</b> Impacts the LTE service.		
<b>Remedial action:</b> Replace the SFP for this port.		

**Table 26-911 IK4015025 - BB TRANS RX LOS CPRIPORT 1**

Alarm	Attributes	Applicable major releases
Name: IK4015025 (5261) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRIPORT 1 (974) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

**Table 26-912 IK4015026 - BB TRANS RX LOS CPRIPORT 2**

Alarm	Attributes	Applicable major releases
Name: IK4015026 (5262) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRIPORT 2 (975) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 26-913 IK4015027 - BB TRANS RX LOS CPRI PORT 3

Alarm	Attributes	Applicable major releases
Name: IK4015027 (5263) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 3 (976) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 26-914 IK4015028 - BB TRANS RX LOS CPRI PORT 4

Alarm	Attributes	Applicable major releases
Name: IK4015028 (5264) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 4 (977) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

Table 26-915 IK4015029 - BB TRANS RX LOS CPRI PORT 5

Alarm	Attributes	Applicable major releases
Name: IK4015029 (5265) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 5 (978) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

**Table 26-916 IK4015030 - BB TRANS RX LOS CPRI PORT 6**

Alarm	Attributes	Applicable major releases
Name: IK4015030 (5266) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB TRANS RX LOS CPRI PORT 6 (979) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> No CPRI signal is received at this CPRI port.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the CPRI cable and connections, replace the SFP (RFM or BB end), verify the RFM is operating.		

**Table 26-917 IK4015031 - BB ALL CPRI PORTS FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4015031 (5267) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB ALL CPRI PORTS FAILED (980) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of all CPRI ports.		
<b>Impact:</b> The LTE service is not possible on this BB		
<b>Remedial action:</b> Replace the BB if the problem persists		

**Table 26-918 IK4016000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4016000 (5268) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 1 (981) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-919 IK4016001 - BB INIT FAILURE SOC 1

Alarm	Attributes	Applicable major releases
Name: IK4016001 (5269) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 1 (982) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a modem board.		
<b>Impact:</b> The LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-920 IK4016002 - BB L1 HARDWARE FAIL SOC 1

Alarm	Attributes	Applicable major releases
Name: IK4016002 (5270) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 1 (983) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-921 IK4016003 - BB L1 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major releases
Name: IK4016003 (5271) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 1-1 (984) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-922 IK4016004 - BB L1 SOFTWARE FAIL SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4016004 (5272) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 1-2 (985) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-923 IK4016005 - BB L1 SOFTWARE WARNING SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4016005 (5273) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 1-1 (986) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-924 IK4016006 - BB L1 SOFTWARE WARNING SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4016006 (5274) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 1-2 (987) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-925 IK4016007 - BB MODEM CELL RESOURCES FAILURE SOC 1

Alarm	Attributes	Applicable major releases
Name: IK4016007 (5275) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 1 (988) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this BB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-926 IK4016008 - BB L2 SOFTWARE FAIL SOC-SLICE 1-1

Alarm	Attributes	Applicable major releases
Name: IK4016008 (5276) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 1-1 (989) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-927 IK4016009 - BB L2 SOFTWARE FAIL SOC-SLICE 1-2

Alarm	Attributes	Applicable major releases
Name: IK4016009 (5277) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 1-2 (990) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-928 IK4016010 - BB FAULT 1 SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4016010 (5278) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 1 (991) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-929 IK4016011 - BB FAULT 2 SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4016011 (5279) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 1 (992) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-930 IK4016012 - BB DIV IMBALANCE SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4016012 (5280) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 1-1 (993) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-931 IK4016013 - BB DIV IMBALANCE SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4016013 (5281) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 1-2 (994) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-932 IK4017000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4017000 (5282) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 2 (995) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-933 IK4017001 - BB INIT FAILURE SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4017001 (5283) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 2 (996) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a modem board.		
<b>Impact:</b> The LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-934 IK4017002 - BB L1 HARDWARE FAIL SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4017002 (5284) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 2 (997) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-935 IK4017003 - BB L1 SOFTWARE FAIL SOC-SLICE 2-1**

Alarm	Attributes	Applicable major releases
Name: IK4017003 (5285) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 2-1 (998) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-936 IK4017004 - BB L1 SOFTWARE FAIL SOC-SLICE 2-2**

Alarm	Attributes	Applicable major releases
Name: IK4017004 (5286) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 2-2 (999) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-937 IK4017005 - BB L1 SOFTWARE WARNING SOC-SLICE 2-1

Alarm	Attributes	Applicable major releases
Name: IK4017005 (5287) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 2-1 (1000) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-938 IK4017006 - BB L1 SOFTWARE WARNING SOC-SLICE 2-2

Alarm	Attributes	Applicable major releases
Name: IK4017006 (5288) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 2-2 (1001) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-939 IK4017007 - BB MODEM CELL RESOURCES FAILURE SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4017007 (5289) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 2 (1002) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this BB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-940 IK4017008 - BB L2 SOFTWARE FAIL SOC-SLICE 2-1**

Alarm	Attributes	Applicable major releases
Name: IK4017008 (5290) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 2-1 (1003) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-941 IK4017009 - BB L2 SOFTWARE FAIL SOC-SLICE 2-2**

Alarm	Attributes	Applicable major releases
Name: IK4017009 (5291) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 2-2 (1004) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-942 IK4017010 - BB FAULT 1 SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4017010 (5292) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 2 (1005) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-943 IK4017011 - BB FAULT 2 SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4017011 (5293) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 2 (1006) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-944 IK4017012 - BB DIV IMBALANCE SOC-SLICE 2-1

Alarm	Attributes	Applicable major releases
Name: IK4017012 (5294) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 2-1 (1007) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-945 IK4017013 - BB DIV IMBALANCE SOC-SLICE 2-2

Alarm	Attributes	Applicable major releases
Name: IK4017013 (5295) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 2-2 (1008) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-946 IK4018000 - BB INDETERMINATE OPERATIONAL FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4018000 (5296) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INDETERMINATE OPERATIONAL FAILURE SOC 3 (1009) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a modem board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-947 IK4018001 - BB INIT FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4018001 (5297) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB INIT FAILURE SOC 3 (1010) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a modem board.		
<b>Impact:</b> The LTE service is not possible on this BB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-948 IK4018002 - BB L1 HARDWARE FAIL SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4018002 (5298) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB L1 HARDWARE FAIL SOC 3 (1011) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		



**Table 26-949 IK4018003 - BB L1 SOFTWARE FAIL SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4018003 (5299) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 3-1 (1012) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-950 IK4018004 - BB L1 SOFTWARE FAIL SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4018004 (5300) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L1 SOFTWARE FAIL SOC-SLICE 3-2 (1013) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-951 IK4018005 - BB L1 SOFTWARE WARNING SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4018005 (5301) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 3-1 (1014) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-952 IK4018006 - BB L1 SOFTWARE WARNING SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4018006 (5302) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: warning Specific problem: BB L1 SOFTWARE WARNING SOC-SLICE 3-2 (1015) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a BB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-953 IK4018007 - BB MODEM CELL RESOURCES FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4018007 (5303) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: BB MODEM CELL RESOURCES FAILURE SOC 3 (1016) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this BB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

**Table 26-954 IK4018008 - BB L2 SOFTWARE FAIL SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4018008 (5304) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 3-1 (1017) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-955 IK4018009 - BB L2 SOFTWARE FAIL SOC-SLICE 3-2

Alarm	Attributes	Applicable major releases
Name: IK4018009 (5305) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB L2 SOFTWARE FAIL SOC-SLICE 3-2 (1018) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a BB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the BB.		

Table 26-956 IK4018010 - BB FAULT 1 SOC 3

Alarm	Attributes	Applicable major releases
Name: IK4018010 (5306) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 1 SOC 3 (1019) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-957 IK4018011 - BB FAULT 2 SOC 3

Alarm	Attributes	Applicable major releases
Name: IK4018011 (5307) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB FAULT 2 SOC 3 (1020) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified BB fault detected on a SOC		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-958 IK4018012 - BB DIV IMBALANCE SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4018012 (5308) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 3-1 (1021) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-959 IK4018013 - BB DIV IMBALANCE SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4018013 (5309) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: minor Specific problem: BB DIV IMBALANCE SOC-SLICE 3-2 (1022) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-960 IK4019000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019000 (5310) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 1 (1023) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-961 IK4019001 - CB INIT FAILURE SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019001 (5311) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 1 (1024) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a controller board.		
<b>Impact:</b> The LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-962 IK4019002 - CB L1 HARDWARE FAIL SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019002 (5312) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 1 (1025) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-963 IK4019003 - CB L1 SOFTWARE FAIL SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4019003 (5313) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 1-1 (1026) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-964 IK4019004 - CB L1 SOFTWARE FAIL SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4019004 (5314) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 1-2 (1027) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-965 IK4019005 - CB L1 SOFTWARE WARNING SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4019005 (5315) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 1-1 (1028) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-966 IK4019006 - CB L1 SOFTWARE WARNING SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4019006 (5316) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 1-2 (1029) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-967 IK4019007 - CB MODEM CELL RESOURCES FAILURE SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019007 (5317) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 1 (1030) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-968 IK4019008 - CB L2 SOFTWARE FAIL SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4019008 (5318) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 1-1 (1031) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-969 IK4019009 - CB L2 SOFTWARE FAIL SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4019009 (5319) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 1-2 (1032) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-970 IK4019010 - CB FAULT 1 SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019010 (5320) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 1 (1033) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-971 IK4019011 - CB FAULT 2 SOC 1**

Alarm	Attributes	Applicable major releases
Name: IK4019011 (5321) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 1 (1034) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-972 IK4019012 - CB DIV IMBALANCE SOC-SLICE 1-1**

Alarm	Attributes	Applicable major releases
Name: IK4019012 (5322) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 1-1 (1035) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



**Table 26-973 IK4019013 - CB DIV IMBALANCE SOC-SLICE 1-2**

Alarm	Attributes	Applicable major releases
Name: IK4019013 (5323) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 1-2 (1036) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-974 IK4020000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4020000 (5324) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 2 (1037) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-975 IK4020001 - CB INIT FAILURE SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4020001 (5325) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 2 (1038) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a controller board.		
<b>Impact:</b> The LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-976 IK4020002 - CB L1 HARDWARE FAIL SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4020002 (5326) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 2 (1039) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-977 IK4020003 - CB L1 SOFTWARE FAIL SOC-SLICE 2-1**

Alarm	Attributes	Applicable major releases
Name: IK4020003 (5327) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 2-1 (1040) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-978 IK4020004 - CB L1 SOFTWARE FAIL SOC-SLICE 2-2**

Alarm	Attributes	Applicable major releases
Name: IK4020004 (5328) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 2-2 (1041) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

Table 26-979 IK4020005 - CB L1 SOFTWARE WARNING SOC-SLICE 2-1

Alarm	Attributes	Applicable major releases
Name: IK4020005 (5329) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 2-1 (1042) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-980 IK4020006 - CB L1 SOFTWARE WARNING SOC-SLICE 2-2

Alarm	Attributes	Applicable major releases
Name: IK4020006 (5330) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 2-2 (1043) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-981 IK4020007 - CB MODEM CELL RESOURCES FAILURE SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4020007 (5331) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 2 (1044) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-982 IK4020008 - CB L2 SOFTWARE FAIL SOC-SLICE 2-1**

Alarm	Attributes	Applicable major releases
Name: IK4020008 (5332) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 2-1 (1045) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-983 IK4020009 - CB L2 SOFTWARE FAIL SOC-SLICE 2-2**

Alarm	Attributes	Applicable major releases
Name: IK4020009 (5333) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 2-2 (1046) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-984 IK4020010 - CB FAULT 1 SOC 2**

Alarm	Attributes	Applicable major releases
Name: IK4020010 (5334) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 2 (1047) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-985 IK4020011 - CB FAULT 2 SOC 2

Alarm	Attributes	Applicable major releases
Name: IK4020011 (5335) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 2 (1048) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

Table 26-986 IK4020012 - CB DIV IMBALANCE SOC-SLICE 2-1

Alarm	Attributes	Applicable major releases
Name: IK4020012 (5336) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 2-1 (1049) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-987 IK4020013 - CB DIV IMBALANCE SOC-SLICE 2-2

Alarm	Attributes	Applicable major releases
Name: IK4020013 (5337) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 2-2 (1050) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-988 IK4021000 - CB INDETERMINATE OPERATIONAL FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021000 (5338) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INDETERMINATE OPERATIONAL FAILURE SOC 3 (1051) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a SOC modem failure of a controller board has been detected that cannot be described by any specific alarm.		
<b>Impact:</b> LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-989 IK4021001 - CB INIT FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021001 (5339) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB INIT FAILURE SOC 3 (1052) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize a SOC of a controller board.		
<b>Impact:</b> The LTE service is not possible on this CB SOC		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-990 IK4021002 - CB L1 HARDWARE FAIL SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021002 (5340) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB L1 HARDWARE FAIL SOC 3 (1053) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a Layer 1 hardware or a CPRI configuration failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-991 IK4021003 - CB L1 SOFTWARE FAIL SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4021003 (5341) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 3-1 (1054) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-992 IK4021004 - CB L1 SOFTWARE FAIL SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4021004 (5342) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L1 SOFTWARE FAIL SOC-SLICE 3-2 (1055) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-993 IK4021005 - CB L1 SOFTWARE WARNING SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4021005 (5343) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 3-1 (1056) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-994 IK4021006 - CB L1 SOFTWARE WARNING SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4021006 (5344) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB L1 SOFTWARE WARNING SOC-SLICE 3-2 (1057) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software warning on a CB SOC unit.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-995 IK4021007 - CB MODEM CELL RESOURCES FAILURE SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021007 (5345) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: CB MODEM CELL RESOURCES FAILURE SOC 3 (1058) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem physical cell failure.		
<b>Impact:</b> LTE service is not possible on this CB SOC.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-996 IK4021008 - CB L2 SOFTWARE FAIL SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4021008 (5346) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 3-1 (1059) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this CB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		



**Table 26-997 IK4021009 - CB L2 SOFTWARE FAIL SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4021009 (5347) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: CB L2 SOFTWARE FAIL SOC-SLICE 3-2 (1060) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a software failure on a CB SOC unit.		
<b>Impact:</b> LTE service is not possible on this BB SOC slice.		
<b>Remedial action:</b> The faulty unit is automatically reset to attempt to clear the fault. If the problem persists then reset the CB.		

**Table 26-998 IK4021010 - CB FAULT 1 SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021010 (5348) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 1 SOC 3 (1061) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-999 IK4021011 - CB FAULT 2 SOC 3**

Alarm	Attributes	Applicable major releases
Name: IK4021011 (5349) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: CB FAULT 2 SOC 3 (1062) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. Unspecified CB fault detected on a SOC.		
<b>Impact:</b> Check the additional info for impact details.		
<b>Remedial action:</b> Check the additional information for maintenance action details.		

**Table 26-1000 IK4021012 - CB DIV IMBALANCE SOC-SLICE 3-1**

Alarm	Attributes	Applicable major releases
Name: IK4021012 (5350) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 3-1 (1063) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1001 IK4021013 - CB DIV IMBALANCE SOC-SLICE 3-2**

Alarm	Attributes	Applicable major releases
Name: IK4021013 (5351) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CB DIV IMBALANCE SOC-SLICE 3-2 (1064) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates Diversity imbalance fault.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1002 IK4201001 - SW CANNOT BE UPDATED AUTOMATICALLY**

Alarm	Attributes	Applicable major releases
Name: IK4201001 (2674) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: major Specific problem: SW CANNOT BE UPDATED AUTOMATICALLY (1065) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download the software for the new module.		
<b>Impact:</b> Software for the module is not available.		
<b>Remedial action:</b> Check the code server setting. The code server path is accessible via SAM or NEM. Consult the SAM resp. NEM user guide specification to see how to access the code server attribute using either application.		

**Table 26-1003 IK4201002 - CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE**

Alarm	Attributes	Applicable major releases
Name: IK4201002 (2675) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE (1066) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the current software does not support the hardware.		
<b>Impact:</b> Software for the module is not available.		
<b>Remedial action:</b> Requires a new software package to support the hardware.		

**Table 26-1004 IK4201004 - SW DOWNLOAD/ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4201004 (2677) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the impacted module. If the alarm persists, contact the next level of support.		

**Table 26-1005 IK4201005 - SW DOWNLOAD/ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4201005 (2678) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the impacted module. If the alarm persists, contact the next level of support.		

**Table 26-1006 IK4201006 - SW DOWNLOAD/ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4201006 (2679) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the impacted module. If the alarm persists, contact the next level of support.		

**Table 26-1007 IK4201007 - SW DOWNLOAD/ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4201007 (2680) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> Telecom: Impacts the telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the impacted module. If the alarm persists, contact the next level of support.		

**Table 26-1008 IK4201008 - SW NOT AVAILABLE, DOWNLOAD STARTED**

Alarm	Attributes	Applicable major releases
Name: IK4201008 (3229) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: SW NOT AVAILABLE, DOWNLOAD STARTED (1067) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the software is not available and the download is started.		
<b>Impact:</b> Software for the module is not available.		
<b>Remedial action:</b> Wait for download to complete.		

Table 26-1009 IK4201009 - DATA MIGRATION NOT POSSIBLE

Alarm	Attributes	Applicable major releases
Name: IK4201009 (3826) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: minor Specific problem: DATA MIGRATION NOT POSSIBLE (1069) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the not-running software does not support database migration from the actual database version. A software activation will result in fallback to minimum database.		
<b>Impact:</b> Telecom: None. OAM: None.		
<b>Remedial action:</b> Abort the software replacement and download a compatible software package.		

Table 26-1010 IK4201010 - SW CANNOT BE UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major releases
Name: IK4201010 (4706) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: SW CANNOT BE UPDATED AUTOMATICALLY (1065) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download the software for the new module.		
<b>Impact:</b> Software for the module is not available.		
<b>Remedial action:</b> Check the code server setting. The code server path is accessible via SAM or NEM. Consult the SAM resp. NEM user guide specification to see how to access the code server attribute using either application.		

Table 26-1011 IK4201011 - CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE

Alarm	Attributes	Applicable major releases
Name: IK4201011 (4707) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: CURRENT SW DOES NOT SUPPORT THE NEW HW MODULE (1066) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the current software does not support the hardware.		
<b>Impact:</b> The unit is not functional until the correct software is downloaded.		
<b>Remedial action:</b> Provide a new software package that supports the hardware.		

**Table 26-1012 IK4201012 - SW NOT AVAILABLE, DOWNLOAD STARTED**

Alarm	Attributes	Applicable major releases
Name: IK4201012 (4708) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SW NOT AVAILABLE, DOWNLOAD STARTED (1067) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the software is not available and the download is started.		
<b>Impact:</b> The unit is not functional until the software download has completed.		
<b>Remedial action:</b> Wait for the download to complete.		

**Table 26-1013 IK4201013 - SW DOWNLOAD/ACTIVATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4201013 (4709) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> The unit is not functional until the software download and database migration are successfully completed.		
<b>Remedial action:</b> Reset the impacted module. If the alarm persists, contact the next level of support.		

**Table 26-1014 IK4201014 - DATA MIGRATION NOT POSSIBLE**

Alarm	Attributes	Applicable major releases
Name: IK4201014 (4710) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: DATA MIGRATION NOT POSSIBLE (1069) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the not-running software does not support database migration from the actual database version. A software activation will result in fallback to the minimum database.		
<b>Impact:</b> The unit is not functional until the software download has completed.		
<b>Remedial action:</b> Abort the software replacement and download a compatible software package.		

Table 26-1015 IK4201015 - SW DOWNLOAD/ACTIVATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4201015 (4711) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: SW DOWNLOAD/ACTIVATION FAILURE (1068) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to download or activate the software for the new module.		
<b>Impact:</b> The unit is not functional until the software download has successfully completed.		
<b>Remedial action:</b> Reset the eNodeB. If the alarm persists, replace the module.		

Table 26-1016 IK4305001 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305001 (2681) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-1017 IK4305002 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305002 (2682) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-1018 IK4305003 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305003 (2683) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-1019 IK4305004 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305004 (2684) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-1020 IK4305005 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305005 (2685) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		



**Table 26-1021 IK4305006 - MISSING CALLP SUBSCRIPTION**

Alarm	Attributes	Applicable major releases
Name: IK4305006 (2686) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MISSING CALLP SUBSCRIPTION (1071) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the CallP instance did not send the subscribe message due to initialization error in the CallP instance.		
<b>Impact:</b> Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1022 IK4305007 - MISSING CALLP REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4305007 (2687) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: MISSING CALLP REQUEST (1072) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is no request from any CallP instance for the MIM status.		
<b>Impact:</b> Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1023 IK4305009 - INCORRECT FREQUENCY BAND**

Alarm	Attributes	Applicable major releases
Name: IK4305009 (2689) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INCORRECT FREQUENCY BAND (1074) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the module is not compatible with the frequency band configuration data.		
<b>Impact:</b> The hardware does not support the frequency indicated in the configuration data.		
<b>Remedial action:</b> Verify the frequency band of the module with the configured frequency band. If the alarm persists, replace the module.		

**Table 26-1024 IK4305010 - CELL CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305010 (2690) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: CELL CONFIGURATION FAILURE (1075) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to configure the cell.		
<b>Impact:</b> Telecom: The telecom service on the cell is disabled. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the cell configuration data. Reset the modem and allocate the cell resources.		

**Table 26-1025 IK4305012 - INVALID CONFIGURATION DATA**

Alarm	Attributes	Applicable major releases
Name: IK4305012 (2692) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: INVALID CONFIGURATION DATA (1077) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1026 IK4305013 - IP ADDRESS CONFIGURATION DATA MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4305013 (2693) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the IP address is not well filled for the ipFormat specified in Vlan		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1027 IK4305014 - IP ADDRESS CONFIGURATION DATA MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4305014 (2694) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the IP address is not well filled for the ipFormat specified in Vlan		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1028 IK4305015 - CONFIGURED SECTORS RESOURCES MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4305015 (2695) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: CONFIGURED SECTORS RESOURCES MISMATCH VERSUS HARDWARE (1079) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configured sector resources versus the hardware capacity		
<b>Impact:</b> Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration		

**Table 26-1029 IK4305016 - PRIMARY CPRI PORT CONFIGURATION MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4305016 (2696) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: PRIMARY CPRI PORT CONFIGURATION MISMATCH (1080) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the misalignment between primary CPRI port position in MIM configuration and real CPRI port position detected		
<b>Impact:</b> Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration		

**Table 26-1030 IK4305017 - INVALID TRANSPORT CONFIGURATION DATA**

Alarm	Attributes	Applicable major releases
Name: IK4305017 (2697) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: INVALID TRANSPORT CONFIGURATION DATA (1081) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an inconsistency in the eNodeB transport configuration data.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1031 IK4305018 - PRIMARY IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305018 (2698) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: PRIMARY IPSEC TUNNEL FAILURE (1082) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the primary IPsec tunnel.		
<b>Impact:</b> OAM: The OAM service is impacted. OAM traffic is not possible. Telecom: Telecom traffic is not possible if OAM and Telecom are configured in the first VLAN.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1032 IK4305019 - SECONDARY IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305019 (2699) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: critical Specific problem: SECONDARY IPSEC TUNNEL FAILURE (1083) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the secondary IPsec tunnel.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1033 IK4305020 - FACTORY MODE

Alarm	Attributes	Applicable major releases
Name: IK4305020 (2700) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FACTORY MODE (1084) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB is not completely configured.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Complete the eNodeB configuration.		

Table 26-1034 IK4305021 - VSWR CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305021 (2701) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service but VSWR supervision may not be active.		
<b>Remedial action:</b> Verify the correctness of the configuration data. Apply again the data. Reset the eNodeB if it fails.		

Table 26-1035 IK4305022 - VSWR CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305022 (2702) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service but VSWR supervision may not be active.		
<b>Remedial action:</b> Verify the correctness of the configuration data. Apply again the data. Reset the eNodeB if it fails.		

**Table 26-1036 IK4305023 - DELAY TIMING OUT OF RANGE**

Alarm	Attributes	Applicable major releases
Name: IK4305023 (2703) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: DELAY TIMING OUT OF RANGE (1086) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the delay timing values is out of range.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1 - Lock the cell. 2 - Verify the correctness of the configuration data. 3 - Unlock the cell.		

**Table 26-1037 IK4305024 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305024 (2704) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.AMR	Severity: minor Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: No impact on traffic. OAM: No impact on OAM service. RF Cabinet alarms may not be reported.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-1038 IK4305025 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305025 (2705) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TmaAIdEntry	Severity: major Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-1039 IK4305026 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305026 (2706) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RetAldEntry	Severity: minor Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: No impact on traffic. OAM: No impact on OAM service. Antenna tilt motion may not be available.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 26-1040 IK4305027 - IP ADDRESS CONFIGURATION DATA MISMATCH

Alarm	Attributes	Applicable major releases
Name: IK4305027 (2707) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: IP ADDRESS CONFIGURATION DATA MISMATCH (1078) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB performed an autonomous fallback to the previous transport configuration due to lack of OAM connectivity.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service if the eNodeB can be connected by the network management system.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1041 IK4305028 - TOTAL ROUND TRIP DELAY EXCEEDED

Alarm	Attributes	Applicable major releases
Name: IK4305028 (2708) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: TOTAL ROUND TRIP DELAY EXCEEDED (1087) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB measured total round trip delay exceeds the predefined maximum allowed value as determined by licensing.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify setting of isFiberDelayAllowed is consistent with length of BBU to radio link. Parameter isFiberDelayAllowed must be True if BBU to radio link exceeds 500 meters. Verify antennaPathDelayDL and antennaPathDelayUL parameter values. Parameter isDasDelayEnabled must be True if antenna delay exceeds 2100 nanoseconds.		

**Table 26-1042 IK4305029 - DELAY COMPENSATION WARNING**

Alarm	Attributes	Applicable major releases
Name: IK4305029 (2709) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: DELAY COMPENSATION WARNING (1088) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB delay compensation is not accurate enough.		
<b>Impact:</b> Telecom: The cell might be impacted. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify delay compensation parameters.		

**Table 26-1043 IK4305030 - HW SW CAPABILITY CHECK RADIOCAC FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305030 (2710) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY CHECK RADIOCAC FAILURE (1089) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configuration parameters, number of users per cell and/or number of data bearers per cell, exceed the HW or SW capabilities of the modem.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1044 IK4305031 - HW SW CAPABILITY CHECK CELL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305031 (2711) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY CHECK CELL FAILURE (1090) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configured bandwidth and/or downlink power of the cell and /or band ID is not in line with the HW capabilities.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		



Table 26-1045 IK4305032 - HW SW CAPABILITY CHECK DOWNGRADE

Alarm	Attributes	Applicable major releases
Name: IK4305032 (2712) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: HW SW CAPABILITY CHECK DOWNGRADE (1091) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configuration data is inconsistent with the HW and SW capabilities of the eNodeB. OAM has downgraded the configured data to be in line with the HW and SW capabilities.		
<b>Impact:</b> Telecom: The cell is operational but degraded. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1046 IK4305033 - DELAY COMPENSATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305033 (2713) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: DELAY COMPENSATION FAILURE (1092) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB is unable to compute a valid downlink/uplink frame offset value for the modem.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the fiber length between the controller board and the remote radio head. Verify the antenna cable length. Verify the delay compensation parameters.		

Table 26-1047 IK4305034 - DELAY COMPENSATION HW CAPABILITY FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305034 (2714) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: DELAY COMPENSATION HW CAPABILITY FAILURE (1093) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB is unable to compute a valid downlink/uplink frame offset value for the modem because of hardware constraints.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the hardware capabilities of the controller and of the remote radio head.		

**Table 26-1048 IK4305035 - MISSING MODEM RESOURCES FOR CONFIGURED LTECELL**

Alarm	Attributes	Applicable major releases
Name: IK4305035 (3230) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: MISSING MODEM RESOURCES FOR CONFIGURED LTECELL (1094) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there are not enough modem resources available to support the configured cell.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1049 IK4305036 - MISSING RFM FOR CONFIGURED LTECELL**

Alarm	Attributes	Applicable major releases
Name: IK4305036 (3231) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: MISSING RFM FOR CONFIGURED LTECELL (1095) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there are no sectors or RFMs available to support the configured cell.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1050 IK4305037 - RFM EQUIPPED WITHOUT LTECELL CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305037 (3232) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: warning Specific problem: RFM EQUIPPED WITHOUT LTECELL CONFIGURATION (1096) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is a RRH equipped but no cell is mapped on the sector.		
<b>Impact:</b> Telecom: The sector is not providing telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1051 IK4305038 - RFM EQUIPPED WITHOUT LTECELL CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305038 (3233) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TRDU	Severity: warning Specific problem: RFM EQUIPPED WITHOUT LTECELL CONFIGURATION (1096) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is a TRDU equipped but no cell is mapped on the sector.		
<b>Impact:</b> Telecom: The sector is not providing telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1052 IK4305039 - BB EQUIPPED WITHOUT LTECELL CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305039 (3234) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: warning Specific problem: BB EQUIPPED WITHOUT LTECELL CONFIGURATION (1097) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is a modem equipped but no cell is mapped.		
<b>Impact:</b> Telecom: The modem board does not provide telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1053 IK4305040 - HW SW CAPABILITY ANTENNA CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305040 (3235) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: HW SW CAPABILITY ANTENNA CONFIGURATION FAILURE (1098) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the antenna configuration data is inconsistent with the hardware and software capabilities of the eNodeB.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1054 IK4305041 - HW SW CAPABILITY DLEARFCN VIOLATE LOWER BANDEDGE**

Alarm	Attributes	Applicable major releases
Name: IK4305041 (3236) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY DLEARFCN VIOLATE LOWER BANDEDGE (1099) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configured downlink EARFCN with the configured bandwidth violate the lower operating band edge.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1055 IK4305042 - HW SW CAPABILITY DLEARFCN VIOLATE UPPER BANDEDGE**

Alarm	Attributes	Applicable major releases
Name: IK4305042 (3237) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY DLEARFCN VIOLATE UPPER BANDEDGE (1100) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configured downlink EARFCN with the configured bandwidth violate the upper operating band edge.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1056 IK4305043 - HW SW CAPABILITY ULEARFCN VIOLATE LOWER BANDEDGE**

Alarm	Attributes	Applicable major releases
Name: IK4305043 (3238) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY ULEARFCN VIOLATE LOWER BANDEDGE (1101) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configured uplink EARFCN with the configured bandwidth violate the lower operating band edge.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1057 IK4305044 - HW SW CAPABILITY ULEARFCN VIOLATE UPPER BANDEDGE**

Alarm	Attributes	Applicable major releases
Name: IK4305044 (3239) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: HW SW CAPABILITY ULEARFCN VIOLATE UPPER BANDEDGE (1102) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configured uplink EARFCN with the configured bandwidth violate the upper operating band edge.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1058 IK4305045 - HW SW CAPABILITY RACK DOES NOT SUPPORT MODEM**

Alarm	Attributes	Applicable major releases
Name: IK4305045 (3240) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: HW SW CAPABILITY RACK DOES NOT SUPPORT MODEM (1103) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the equipped modem version is not support by d2u rack version.		
<b>Impact:</b> Telecom: The modem board is not operational and can not provide telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the equipment configuration.		

**Table 26-1059 IK4305046 - LOSS OF GEO LOC PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4305046 (3241) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: LOSS OF GEO LOC PHASE SYNC (1104) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that OTDOA accuracy can no longer be guaranteed due to loss of GPS reference.		
<b>Impact:</b> PRS transmission disabled so OTDOA service is no longer supported. Telecom traffic is still possible. No impact on OAM service.		
<b>Remedial action:</b> Check GPS timing reference.		

**Table 26-1060 IK4305047 - CDMA PHASE SYNC HOLDOVER TIMER EXPIRED**

Alarm	Attributes	Applicable major releases
Name: IK4305047 (3242) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CDMA PHASE SYNC HOLDOVER TIMER EXPIRED (1105) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the phase sync holdover time expired. The LTE to HRPD enhanced non optimized handover is no longer possible.		
<b>Impact:</b> Telecom: LTE to HRPD enhanced handover not possible. OAM: None.		
<b>Remedial action:</b> Resolve faulty references.		

**Table 26-1061 IK4305048 - CT NOT STARTED DUE TO ACTIVE DDT**

Alarm	Attributes	Applicable major releases
Name: IK4305048 (3243) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: CT NOT STARTED DUE TO ACTIVE DDT (1106) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that call trace could not be started because dynamic debug trace is already active.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1062 IK4305049 - DDT NOT STARTED DUE TO ACTIVE CT**

Alarm	Attributes	Applicable major releases
Name: IK4305049 (3244) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: DDT NOT STARTED DUE TO ACTIVE CT (1107) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that dynamic debug trace could not be started because call trace is already active.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1063 IK4305050 - TRACE CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305050 (3245) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: minor Specific problem: TRACE CONFIGURATION FAILURE (1108) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the trace server destination could not be configured.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data. If the problem persists, reset the eNodeB.		

**Table 26-1064 IK4305051 - UNCOMPLETE ENB SCENARIO RELATED TO CELL**

Alarm	Attributes	Applicable major releases
Name: IK4305051 (3246) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: UNCOMPLETE ENB SCENARIO RELATED TO CELL (1109) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the Cell Setup scenario failed due to a missing or incomplete internal action.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Perform lock/unlock on the impacted cell. If needed, perform eNodeB reset.		

**Table 26-1065 IK4305052 - FEATURE UNLIMITED PRB LICENSE NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305052 (3247) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: FEATURE UNLIMITED PRB LICENSE NOT SUPPORTED (1110) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, feature UnlimitedPRBLicense is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature UnlimitedPRBLicense which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1066 IK4305053 - FEATURE MOBILITY TO 1XRTT NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305053 (3248) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE MOBILITY TO 1XRTT NOT SUPPORTED (1111) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, MobilityTo1xRTT feature disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature MobilityTo1xRTT which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1067 IK4305054 - FEATURE UE CATEGORY 4 NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305054 (3249) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE UE CATEGORY 4 NOT SUPPORTED (1112) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, UeCategory4 feature disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature UeCategory4 which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1068 IK4305055 - FEATURE SPS NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305055 (3250) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE SPS NOT SUPPORTED (1113) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, Sps feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature Sps which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		



**Table 26-1069 IK4305056 - FEATURE ROHC NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305056 (3251) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE ROHC NOT SUPPORTED (1114) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, Rohc feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature Rohc which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1070 IK4305057 - FEATURE ECID NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305057 (3252) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE ECID NOT SUPPORTED (1115) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, Ecid feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature Ecid which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1071 IK4305058 - FEATURE OTDOA HEARABILITY ENHANCEMENT SUPPORT NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305058 (3253) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE OTDOA HEARABILITY ENHANCEMENT SUPPORT NOT SUPPORTED (1116) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, OTDOAHearabilityEnhancement feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature OTDOAHearabilityEnhancement which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1072 IK4305059 - FEATURE 4 RX DIVERSITY NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305059 (3254) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: FEATURE 4 RX DIVERSITY NOT SUPPORTED (1117) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature 4RxDiversity mismatch, lteCell is operating in degraded mode.		
<b>Impact:</b> No impact on eNodeB except for the feature 4RxDiversity which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1073 IK4305060 - FEATURE SYNC SIGNALS DIVERSITY NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305060 (3255) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: FEATURE SYNC SIGNALS DIVERSITY NOT SUPPORTED (1118) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, SyncSignalsDiversity feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature SyncSignalsDiversity which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1074 IK4305061 - FEATURE NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305061 (3256) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: FEATURE NOT SUPPORTED (1119) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, feature is disabled by OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 26-1075 IK4305065 - TMA SOFTWARE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305065 (3260) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: minor Specific problem: TMA SOFTWARE DOWNLOAD FAILURE (1123) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the software download to the TMA unit failed.		
<b>Impact:</b> The telecom service may be degraded because of missing TMA amplification.		
<b>Remedial action:</b> Retry the download. If the problem persists, contact the next level support.		

Table 26-1076 IK4305066 - RET SOFTWARE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305066 (3261) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET SOFTWARE DOWNLOAD FAILURE (1124) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the software download to the RET unit failed.		
<b>Impact:</b> No impact on eNodeB except that the antenna tilting can not be changed.		
<b>Remedial action:</b> Retry the download. If the problem persists, contact the next level support.		

Table 26-1077 IK4305067 - RET ANTENNA CONFIGURATION FILE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305067 (3262) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RetAldEntry	Severity: minor Specific problem: RET ANTENNA CONFIGURATION FILE DOWNLOAD FAILURE (1125) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the configuration file download to the RET unit failed.		
<b>Impact:</b> No impact on eNodeB except that the antenna tilting can not be changed.		
<b>Remedial action:</b> Retry the download. If the problem persists, contact the next level support.		

**Table 26-1078 IK4305068 - ANTENNA PATH LOST**

Alarm	Attributes	Applicable major releases
Name: IK4305068 (3263) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: ANTENNA PATH LOST (1126) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that at least one antenna path of that cell is lost and that the cell operates in degraded mode (e.g. SIMO/SISO instead of MIMO).		
<b>Impact:</b> Telecom: The cell is still operational, but operates in degraded mode. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the antennas and the RFM, belonging to the cell.		

**Table 26-1079 IK4305069 - UNKNOWN FAULT**

Alarm	Attributes	Applicable major releases
Name: IK4305069 (3264) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: UNKNOWN FAULT (1127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the OAM layer of the eNodeB received an unknown fault from an other software layer. A specific handling of this unknown fault is not possible. Eventually available information about the unknown fault is provided in the alarm additional information attribute.		
<b>Impact:</b> The impact on the eNodeB depends on the nature of the unknown fault.		
<b>Remedial action:</b> Contact the next level of support.		

**Table 26-1080 IK4305070 - 3GPP TEST MODE CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305070 (3265) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: 3GPP TEST MODE CONFIGURATION FAILURE (1128) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that during the configuration of the 3GPP test mode the call processing layer or the modem software failed to process the provided configuration.		
<b>Impact:</b> The configuration of the desired 3GPP test mode on the cell failed. The test can not be started.		
<b>Remedial action:</b> Check and correct the configuration data. Lock/unlock the cell. If the problem persists, contact the next level support.		

**Table 26-1081 IK4305071 - CELL DIV IMBALANCE THRESHOLD EXCEEDED**

Alarm	Attributes	Applicable major releases
Name: IK4305071 (3266) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: CELL DIV IMBALANCE THRESHOLD EXCEEDED (1129) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the exceedance of the imbalance threshold between the diversity receive signals.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the antennas and antenna cables and connections. If the problem persists then replace the RFM.		

**Table 26-1082 IK4305072 - OAM CELL FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4305072 (3267) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: OAM CELL FAULT 1 (1130) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-1083 IK4305073 - OAM CELL FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4305073 (3268) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: OAM CELL FAULT 2 (1131) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-1084 IK4305074 - OAM CELL FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4305074 (3269) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 3 (1132) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-1085 IK4305075 - OAM CELL FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4305075 (3270) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 4 (1133) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-1086 IK4305076 - OAM CELL FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4305076 (3271) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: OAM CELL FAULT 5 (1134) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Call the next level of support.		

**Table 26-1087 IK4305077 - FEATURE GEO LOC PHASE SYNCH NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305077 (3664) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE GEO LOC PHASE SYNCH NOT SUPPORTED (1135) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, Geo loc phase synch feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature Geo loc phase synch which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1088 IK4305078 - FEATURE IMS EMERGENCY CALL NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305078 (3665) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: FEATURE IMS EMERGENCY CALL NOT SUPPORTED (1136) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature mismatch, IMS emergency call feature is disabled by eNodeB OAM.		
<b>Impact:</b> No impact on eNodeB except for the feature IMS emergency call which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1089 IK4305079 - FEATURE RACH 2 FORMAT NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305079 (3666) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE RACH 2 FORMAT NOT SUPPORTED (1137) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature RACH 2 format mismatch, lteCell is disabled by OAM.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1 - Lock the cell. 2 - Ensure compatibility between the eNodeB configuration data and the equipped modem type. 3 - Unlock the cell.		

**Table 26-1090 IK4305080 - FEATURE DAS DELAY NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305080 (3667) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE DAS DELAY NOT SUPPORTED (1138) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature DAS delay mismatch, lteCell is disabled by OAM.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1 - Lock the cell. 2 -Ensure compatibility between the eNodeB configuration data and the equipped modem type. 3 - Unlock the cell.		

**Table 26-1091 IK4305082 - ALL ANTENNA PATHS LOST**

Alarm	Attributes	Applicable major releases
Name: IK4305082 (3669) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: ALL ANTENNA PATHS LOST (1140) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that all antenna paths of that cell are lost and that the cell is disabled.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the antennas and the RFM, belonging to the cell.		

**Table 26-1092 IK4305083 - FEATURE LONG FIBER NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305083 (3670) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE LONG FIBER NOT SUPPORTED (1141) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a modem type feature long fibre delay mismatch, lteCell is disabled by OAM.		
<b>Impact:</b> Equipped modem type does not support long fiber lengths, lteCell is disabled by eNodeB OAM.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		



Table 26-1093 IK4305084 - INCOMPATIBLE CONFIGURATION MAJOR

Alarm	Attributes	Applicable major releases
Name: IK4305084 (3671) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: INCOMPATIBLE CONFIGURATION MAJOR (1142) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The LTE controller has encountered an error while configuring this RE, possibly due to an incompatibility in the interface between controller and RE. As a result a cell assigned to this RE cannot be configured and activated.		
<b>Impact:</b> All cells assigned to the impacted RE, can not be configured or activated.		
<b>Remedial action:</b> Reconfigure the RE to correct the value of any parameter described in the alarm additional information.		

Table 26-1094 IK4305085 - INCOMPATIBLE CONFIGURATION WARNING

Alarm	Attributes	Applicable major releases
Name: IK4305085 (3672) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: INCOMPATIBLE CONFIGURATION WARNING (1143) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The LTE controller has encountered an error while configuring the RE but the cell(s) on this RE can still be activated.		
<b>Impact:</b> The cell(s) on the impacted MSRE may not be fully operational.		
<b>Remedial action:</b> Reconfigure the RE to correct the value of any parameter described in the alarm additional information. If this is a multistandard RE and the parameter applies to a common resource of the RE then the value must be Unset.		

Table 26-1095 IK4305086 - LOCAL CELL POWER LIMIT EXCEEDED

Alarm	Attributes	Applicable major releases
Name: IK4305086 (3673) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: LOCAL CELL POWER LIMIT EXCEEDED (1144) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The downlink total power for a cell assigned to this RE exceeds the Local Cell Power Limit set at installation time.		
<b>Impact:</b> All cells assigned to the impacted RE, can not be configured or activated.		
<b>Remedial action:</b> Reconfigure the cell of this RE: set the power to be less than or equal to the local cell power limit defined for this MSRE at installation time.		

**Table 26-1096 IK4305088 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4305088 (3828) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RRH	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
<b>Impact:</b> Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data. Verify and correct the hardware configuration		

**Table 26-1097 IK4305089 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4305089 (3829) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TRDU	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
<b>Impact:</b> Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data. Verify and correct the hardware configuration		

**Table 26-1098 IK4305090 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4305090 (3830) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
<b>Impact:</b> Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 26-1099 IK4305091 - HW SW CAPABILITY CHECK ANTENNA PORT

Alarm	Attributes	Applicable major releases
Name: IK4305091 (3831) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: HW SW CAPABILITY CHECK ANTENNA PORT (1147) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB AntennaPort configuration data		
<b>Impact:</b> Telecom: No impact on Telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1100 IK4305092 - CMS INIT FAILED (ERROR)

Alarm	Attributes	Applicable major releases
Name: IK4305092 (3832) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS INIT FAILED (ERROR) (1148) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CMS(Certificate Management Support) initialization request failure due to an error.		
<b>Impact:</b> The certificate enrollment can not start. eNB didn't receive the certificate bundle due to an error on CMP initialization request.		
<b>Remedial action:</b> Check the Sub CMS configuration. Verify and correct the CMS configuration data based on the error code received. Check the network connection. eNB has to get the valid operator-signed certificate(s) before the concerned traffic can be resumed.		

Table 26-1101 IK4305093 - CMS INIT FAILED (TIMEOUT)

Alarm	Attributes	Applicable major releases
Name: IK4305093 (3833) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS INIT FAILED (TIMEOUT) (1149) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CMS(Certificate Management Support) initialization request failure due to timeout.		
<b>Impact:</b> The certificate enrollment can not start. eNB didn't receive the certificate bundle due to time out waiting response on CMP initialization request.		
<b>Remedial action:</b> eNB has to get the valid operator-signed certificate(s) before the concerned traffic can be resumed. Check the network connection, then check IP connectivity, HTTP connectivity and Sub CMS/CMS server connectivity. Check the Sub CMS/CMS configuration.		

**Table 26-1102 IK4305094 - CMS KEY UPDATE FAILED (ERROR)**

Alarm	Attributes	Applicable major releases
Name: IK4305094 (3834) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS KEY UPDATE FAILED (ERROR) (1150) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CMS(Certificate Management Support) key update failure due to an error.		
<b>Impact:</b> The certificate enrollment can not start. eNB didn't receive the certificate bundle due to an error on CMP key update request.		
<b>Remedial action:</b> Check the Sub CMS configuration. Verify and correct the CMS configuration data based on the error code received.		

**Table 26-1103 IK4305095 - CMS KEY UPDATE FAILED (TIMEOUT)**

Alarm	Attributes	Applicable major releases
Name: IK4305095 (3835) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: CMS KEY UPDATE FAILED (TIMEOUT) (1151) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates CMS(Certificate Management Support) key update activity failure due to timeout.		
<b>Impact:</b> The certificate enrollment can not start. eNB did not receive the certificate bundle due to time out waiting response on CMP key update request.		
<b>Remedial action:</b> The eNodeB did not receive a message response back from the Sub-CMS during a CMP message exchange. The timeout could be because the Sub CMS is not online or the CMS IP address was incorrect or the network is down or some other failure reason.		

**Table 26-1104 IK4305097 - OPERATOR CERTIFICATE ENROLLMENT ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305097 (3837) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: OPERATOR CERTIFICATE ENROLLMENT ERROR (1153) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that certificate enrollment can not be started because no authentication credentials were found.		
<b>Impact:</b> eNodeB can not start the operator certificate enrollment.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Provide the shared key for authentication of CMPv2 messages . eNodeB uses a shared key for authentication to Sub CMS when performing certificate enrollment.		

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Table 26-1105 IK4305098 - #3 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305098 (3838) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Specific problem: #3 IPSEC TUNNEL FAILURE (1154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure of IPsec tunnel (#3).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1106 IK4305099 - FEATURE eMBMS NOT SUPPORTED

Alarm	Attributes	Applicable major releases
Name: IK4305099 (3839) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: FEATURE eMBMS NOT SUPPORTED (1155) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration for eMBMS feature is not supported by equipped modem type		
<b>Impact:</b> No impact on eNodeB except for the feature eMBMS which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

Table 26-1107 IK4305100 - FEATURE TTI BUNDLING FOR VoIP NOT SUPPORTED

Alarm	Attributes	Applicable major releases
Name: IK4305100 (3840) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBEquipment	Severity: warning Specific problem: FEATURE TTI BUNDLING FOR VoIP NOT SUPPORTED (1156) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm indicates that the cell configuration for TTI bundling for VoIP feature is not supported by equipped modem type		
<b>Impact:</b> No impact on eNodeB except for the feature TTI bundling for VoIP which is disabled.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

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**Table 26-1108 IK4305101 - FEATURE DUAL-BAND NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305101 (3841) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE DUAL-BAND NOT SUPPORTED (1157) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration with dual band ID is not supported by equipped modem type		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1109 IK4305102 - FEATURE DUPLEX MODE NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305102 (3842) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE DUPLEX MODE NOT SUPPORTED (1158) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration duplex-mode is not supported by equipped modem type		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> To clear the alarm, revert to previous mode		

Table 26-1110 IK4305103 - FEATURE OP-PUCCH NOT SUPPORTED

Alarm	Attributes	Applicable major releases
Name: IK4305103 (3843) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: FEATURE OP-PUCCH NOT SUPPORTED (1159) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration for OP-PUCCH is not supported by equipped modem type		
<b>Impact:</b> No impact on eNodeB except for the feature OP-PUCCH per cell which is disabled.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1111 IK4305104 - HW SW CAPABILITY DOWNLINK CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305104 (3844) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: HW SW CAPABILITY DOWNLINK CONFIGURATION FAILURE (1160) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell DL configuration is not supported by equipped modem type		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1112 IK4305105 - FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE

Alarm	Attributes	Applicable major releases
Name: IK4305105 (3845) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE (1161) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that modem type does not support 3 MHz bandwidth.		
<b>Impact:</b> Equipped modem type does not support 3 MHz and modem is disabled by eNodeB OAM.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1113 IK4305106 - #4 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305106 (3846) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #4 IPSEC TUNNEL FAILURE (1162) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#4).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1114 IK4305107 - #5 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305107 (3847) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #5 IPSEC TUNNEL FAILURE (1163) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#5).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1115 IK4305108 - #6 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305108 (3848) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #6 IPSEC TUNNEL FAILURE (1164) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#6).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		



Table 26-1116 IK4305109 - #7 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305109 (3849) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #7 IPSEC TUNNEL FAILURE (1165) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#7).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1117 IK4305110 - #8 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305110 (3850) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #8 IPSEC TUNNEL FAILURE (1166) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#8).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1118 IK4305111 - #9 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305111 (3851) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #9 IPSEC TUNNEL FAILURE (1167) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#9).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1119 IK4305112 - #10 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305112 (3852) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #10 IPSEC TUNNEL FAILURE (1168) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#10).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1120 IK4305113 - DNS SERVICE UNAVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4305113 (3853) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: DNS SERVICE UNAVAILABLE (1169) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that No DNS server at all is available for resolving a symbolic address to a numeric IP address		
<b>Impact:</b> The IPsec tunnel cannot be setup since IKEv2 fails.		
<b>Remedial action:</b> Check the state of DNS server(s) and the state of the comm. network between eNB and DNS		

**Table 26-1121 IK4305114 - INCOMPATIBLE UCF MIM VERSION**

Alarm	Attributes	Applicable major releases
Name: IK4305114 (4712) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: INCOMPATIBLE UCF MIM VERSION (1170) Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates the MIM version of the UCF is incompatible with the MIM version of the running SW version.		
<b>Impact:</b> UCF is not used during data migration to provide default values for attributes. Default values from eNB software are used instead.		
<b>Remedial action:</b> Generate a UCF that is compatible with the MIM version of the running SW version.		

Table 26-1122 IK4305115 - INVALID UCF

Alarm	Attributes	Applicable major releases
Name: IK4305115 (4713) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: INVALID UCF (1171) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the UCF has an error that prevents it from being used by the eNodeB.		
<b>Impact:</b> UCF is not used during data migration to provide default values for attributes. Default values from eNB software are used instead.		
<b>Remedial action:</b> Generate a UCF that is valid, readable and syntactically correct.		

Table 26-1123 IK4305116 - SECONDARY CPRI PORT CONFIGURATION MISMATCH

Alarm	Attributes	Applicable major releases
Name: IK4305116 (5352) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: SECONDARY CPRI PORT CONFIGURATION MISMATCH (1172) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the misalignment between secondary CPRI port position in MIM configuration and real secondary CPRI port position detected.		
<b>Impact:</b> Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration		

Table 26-1124 IK4305117 - CELL ANTENNA PORT NUMBER MISMATCH VERSUS MODEM LOAD TYPE

Alarm	Attributes	Applicable major releases
Name: IK4305117 (5353) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: CELL ANTENNA PORT NUMBER MISMATCH VERSUS MODEM LOAD TYPE (1173) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the DL/UL antenna number configured for this Cell mismatch with Modem load. Triggers for raising the alarm: 1. If (lteCell->numberOfULAntennas !=8 Or CellActivationService.IsMultiRRHEnabled=True) AND EnbTDD.Is8AloadNeeded=False 2. If (lteCell->numberOfULAntennas!=8 AND CellActivationService.IsMultiRRHEnabled=False) AND EnbTDD.Is8AloadNeeded=True Triggers for clear the alarm: 1. If (lteCell->numberOfULAntennas ==8 Or CellActivationService.IsMultiRRHEnabled=True) AND EnbTDD.Is8AloadNeeded=True 2. If (lteCell->numberOfULAntennas!=8 AND CellActivationService.IsMultiRRHEnabled=False) AND EnbTDD.Is8AloadNeeded=False"		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Online modify parameter is8ALoadNeeded on EnbTDD object or modify DL/UL antenna number configuration of LteCell to make them consistent.		

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**Table 26-1125 IK4305118 - M3 LINK RESET DUE ON-LINE M3-INTERFACE CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4305118 (5354) Type: communicationsAlarm (4) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: variable Specific problem: M3 LINK RESET DUE ON-LINE M3-INTERFACE CLASS PARAMETER UPDATE (1174) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates M3 link has reset when operator updates the value of M3-interface Class parameter on-line.		
<b>Impact:</b> Service impact on M3 link		
<b>Remedial action:</b> No action is required.		

**Table 26-1126 IK4305119 - AUTOMATED HANDOVER PARAMETER ADJUSTMENT NOT POSSIBLE**

Alarm	Attributes	Applicable major releases
Name: IK4305119 (4714) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: AUTOMATED HANDOVER PARAMETER ADJUSTMENT NOT POSSIBLE (1175) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the SON process that automatically adjusts intra-frequency handover parameters cannot make any adjustments because of the setting of the configurable limits on the allowed adjustments.		
<b>Impact:</b> The cell cannot initiate HO parameter adjustments to improve HO performance.		
<b>Remedial action:</b> Modify the handover parameter adjustment limits to allow additional values.		

**Table 26-1127 IK4305120 - TOTAL LOSS OF EICIC PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4305120 (4715) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: TOTAL LOSS OF EICIC PHASE SYNC (1176) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm indicates that the eICIC functionality is being disabled due to very large clock drift		
<b>Impact:</b> High interference received at the UE due to the timing misalignment cancels any feature gain.		
<b>Remedial action:</b> Check the timing source of the eNB		

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**Table 26-1128 IK4305121 - TOTAL LOSS OF EICIC PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4305121 (4716) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: TOTAL LOSS OF EICIC PHASE SYNC (1176) Implicitly cleared: true Default probable cause: timingProblem (903)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eICIC functionality is being disabled due to very large clock drift		
<b>Impact:</b> High interference received at UE due to timing misalignment rendering feature gain null.		
<b>Remedial action:</b> Check the timing source of the eNB		

**Table 26-1129 IK4305124 - SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE**

Alarm	Attributes	Applicable major releases
Name: IK4305124 (4718) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE (1178) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the shutdown timer has expired for a shutting down MO but the cell has at least one emergency or high priority call active. The shutting down MO will not be locked until all emergency and high priority calls have terminated.		
<b>Impact:</b> Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
<b>Remedial action:</b> Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 26-1130 IK4305125 - EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL

Alarm	Attributes	Applicable major releases
Name: IK4305125 (4719) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL (1179) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that there is at least one emergency or high priority call active on a cell that is blocked. The cell will not be disabled until all emergency and high priority calls have terminated.		
<b>Impact:</b> Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
<b>Remedial action:</b> Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

Table 26-1131 IK4305126 - CELL MAJOR CONFIGURATION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305126 (4720) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: CELL MAJOR CONFIGURATION ERROR (1180) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates there is a major error in the configuration of the cell.		
<b>Impact:</b> Configuration error may prevent the cell from behaving properly. Degradation of service is possible.		
<b>Remedial action:</b> Operator must set the attribute(s) in error to a value consistent with the configuration of the lteCell.		

Table 26-1132 IK4305127 - ENB WARNING CONFIGURATION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305127 (4721) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ENB WARNING CONFIGURATION ERROR (1181) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates there is a warning error in the configuration of the eNB.		
<b>Impact:</b> Configuration error may prevent the value of the attribute in error from being used in the eNB. However, no degradation of service will result.		
<b>Remedial action:</b> Operator should set the attribute(s) in error to a value consistent with the configuration of the eNB.		

**Table 26-1133 IK4305128 - RFTRACE NOT STARTED DUE TO ACTIVE DDT**

Alarm	Attributes	Applicable major releases
Name: IK4305128 (5355) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: RFTRACE NOT STARTED DUE TO ACTIVE DDT (1182) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RF trace could not be started because dynamic debug trace is already active.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1134 IK4305129 - CB TWAMP EXCESSIVE TEST SESSIONS**

Alarm	Attributes	Applicable major releases
Name: IK4305129 (4722) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP EXCESSIVE TEST SESSIONS (1183) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
<b>Impact:</b> TWAMP test sessions above the number supported are ignored.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

**Table 26-1135 IK4305130 - MODULE SCENARIO ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4305130 (4723) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

**Table 26-1136 IK4305131 - MISSING CALLP SUBSCRIPTION**

Alarm	Attributes	Applicable major releases
Name: IK4305131 (4724) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MISSING CALLP SUBSCRIPTION (1071) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the CallP instance did not send the subscribe message due to initialization error in the CallP instance.		
<b>Impact:</b> Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1137 IK4305132 - MISSING CALLP REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4305132 (4725) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: MISSING CALLP REQUEST (1072) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is no request from any CallP instance for the MIM status.		
<b>Impact:</b> Telecom: The telecom resources processed by the module not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1138 IK4305133 - INCORRECT FREQUENCY BAND**

Alarm	Attributes	Applicable major releases
Name: IK4305133 (4726) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: INCORRECT FREQUENCY BAND (1074) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the module is not compatible with the frequency band configuration data.		
<b>Impact:</b> The cell is not operational.		
<b>Remedial action:</b> Verify the frequency band of the module with the configured frequency band. If the alarm persists, replace the module.		



Table 26-1139 IK4305134 - INVALID CONFIGURATION DATA

Alarm	Attributes	Applicable major releases
Name: IK4305134 (4727) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: INVALID CONFIGURATION DATA (1077) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data.		
<b>Impact:</b> The cell is not operational.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1140 IK4305135 - INVALID TRANSPORT CONFIGURATION DATA

Alarm	Attributes	Applicable major releases
Name: IK4305135 (4728) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: INVALID TRANSPORT CONFIGURATION DATA (1081) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an inconsistency in the eNodeB transport configuration data.		
<b>Impact:</b> Telecom traffic is not possible.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1141 IK4305136 - UNKNOWN FAULT

Alarm	Attributes	Applicable major releases
Name: IK4305136 (4729) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: UNKNOWN FAULT (1127) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the OAM layer of the eNodeB received an unknown fault from another software layer.		
<b>Impact:</b> The impact of of the fault is unknown.		
<b>Remedial action:</b> Refer to the alarm additional information for further detail, contact the next level of support.		

**Table 26-1142 IK4305137 - RESET DATABASE**

Alarm	Attributes	Applicable major releases
Name: IK4305137 (4730) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: RESET DATABASE (1145) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to restore database.		
<b>Impact:</b> The controller board resets automatically with an empty database.		
<b>Remedial action:</b> Contact the next level of support.		

**Table 26-1143 IK4305138 - CELL CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305138 (4731) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: CELL CONFIGURATION FAILURE (1075) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to configure the cell.		
<b>Impact:</b> The cell remains disabled until properly configured.		
<b>Remedial action:</b> Verify the cell configuration data. Reset the modem and allocate the cell resources.		

**Table 26-1144 IK4305139 - MODEM FUNCTION AVAILABLE WITHOUT LTECELL CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305139 (4732) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: MODEM FUNCTION AVAILABLE WITHOUT LTECELL CONFIGURATION (1184) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is a modem function equipped but no cell is mapped to the modem.		
<b>Impact:</b> The cell remains disabled until properly configured.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1145 IK4305140 - EXPECTED MODEM NOT EQUIPPED

Alarm	Attributes	Applicable major releases
Name: IK4305140 (4733) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: EXPECTED MODEM NOT EQUIPPED (1120) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that equipped modem type does not fit the expectedModemType in the database.		
<b>Impact:</b> All features of modem type are not supported and modem is disabled by eNodeB OAM.		
<b>Remedial action:</b> Modify the database to correctly describe the modem hardware.		

Table 26-1146 IK4305142 - OAM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305142 (4734) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: OAM INTERFACE CONFIGURATION FAILURE (654) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IP and Ethernet configuration on the OAM interface.		
<b>Impact:</b> Telecom traffic and eNodeB management are not possible.		
<b>Remedial action:</b> Reset the eNodeB. If the alarm persists, contact the next level of support.		

Table 26-1147 IK4305143 - TELECOM INTERFACE CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305143 (4735) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: TELECOM INTERFACE CONFIGURATION FAILURE (655) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IP and Ethernet configuration on the telecom interface.		
<b>Impact:</b> Telecom traffic and eNodeB management are not possible.		
<b>Remedial action:</b> Reset the eNodeB. If the alarm persists, contact the next level of support.		

**Table 26-1148 IK4305144 - SSH SERVER START FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305144 (4736) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SSH SERVER START FAILURE (656) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the SSH server.		
<b>Impact:</b> OAM SSH sessions on the eNodeB are not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1149 IK4305145 - SNTP CLIENT START FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305145 (4737) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: SNTP CLIENT START FAILURE (658) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the SNTP client.		
<b>Impact:</b> The eNodeB is not time synchronized with the NTP server.		
<b>Remedial action:</b> Check the network connectivity of NTP server and NTP server address provisioning. If the NTP server is unreachable or the provisioning is incorrect, address those aspects. If all other possible causes have been eliminated, reset the eNodeB.		

**Table 26-1150 IK4305146 - DHCP CLIENT START FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305146 (4738) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: DHCP CLIENT START FAILURE (661) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to start the DHCP client on the eNodeB network interface.		
<b>Impact:</b> Telecom traffic and eNodeB management are not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1151 IK4305147 - UNEXPECTED DATA FROM DHCP SERVER**

Alarm	Attributes	Applicable major releases
Name: IK4305147 (4739) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: UNEXPECTED DATA FROM DHCP SERVER (663) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the lease time offered by the DHCP server is different from the lease time requested by the DHCP client.		
<b>Impact:</b> No impact on telecom or OAM service.		
<b>Remedial action:</b> Configure the DHCP server with an infinite lease time.		

**Table 26-1152 IK4305148 - INCONSISTENT DATA FROM DHCP SERVER**

Alarm	Attributes	Applicable major releases
Name: IK4305148 (4740) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: INCONSISTENT DATA FROM DHCP SERVER (664) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB does not support the modified IP address offered by the DHCP server.		
<b>Impact:</b> The eNodeB uses the old IP address. eNodeB management is impacted during reset.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1153 IK4305149 - SCTP INIT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305149 (4741) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: SCTP INIT FAILURE (756) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to initialize the SCTP access.		
<b>Impact:</b> Telecom traffic is not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1154 IK4305150 - WALG INITIALIZATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305150 (4742) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize the eNodeB network processor.		
<b>Impact:</b> Telecom traffic is not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

**Table 26-1155 IK4305151 - END OF THE HOLDOVER DURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305151 (4743) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: END OF THE HOLDOVER DURATION (763) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> The internal oscillator is not being disciplined by the reference source and its frequency drift may soon exceed allowed limits. This holdover duration is dependent on the type of oscillator.		
<b>Impact:</b> The eNB shall stop RF transmission.		
<b>Remedial action:</b> Fix the timing reference source.		

**Table 26-1156 IK4305152 - LOSS OF EMBMS PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4305152 (4744) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

**Table 26-1157 IK4305153 - #3 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305153 (5356) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #3 IPSEC TUNNEL FAILURE (1154) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure of IPsec tunnel (#3).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1158 IK4305154 - CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION**

Alarm	Attributes	Applicable major releases
Name: IK4305154 (5357) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION (1185) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the cell configuration data mismatch versus corresponding feature deactivation.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1159 IK4305155 - OAM SCB FAULT 2**

Alarm	Attributes	Applicable major releases
Name: IK4305155 (4745) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM SCB FAULT 2 (1186) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1160 IK4305156 - OAM SCB FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4305156 (4746) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: OAM SCB FAULT 3 (1187) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1161 IK4305157 - OAM SCB FAULT 4**

Alarm	Attributes	Applicable major releases
Name: IK4305157 (4747) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: OAM SCB FAULT 4 (1188) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1162 IK4305158 - OAM MODEM FUNCTION FAULT 1**

Alarm	Attributes	Applicable major releases
Name: IK4305158 (4748) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 1 (1189) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		



Table 26-1163 IK4305159 - OAM MODEM FUNCTION FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4305159 (4749) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 2 (1190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

Table 26-1164 IK4305160 - OAM MODEM FUNCTION FAULT 3

Alarm	Attributes	Applicable major releases
Name: IK4305160 (4750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 3 (1191) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

Table 26-1165 IK4305161 - FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE

Alarm	Attributes	Applicable major releases
Name: IK4305161 (4751) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: critical Specific problem: FEATURE 3 MHZ NOT SUPPORTED BY MODEM TYPE (1161) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that modem type does not support 3 MHz bandwidth.		
<b>Impact:</b> The modem is disabled by eNodeB OAM.		
<b>Remedial action:</b> Ensure compatibility between the eNodeB configuration data and the equipped modem type.		

**Table 26-1166 IK4305162 - ETHERNET TRANSPORT FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305162 (4752) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: ETHERNET TRANSPORT FAILURE (665) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an interface error due to the counters exceeding the configured threshold.		
<b>Impact:</b> The performance of the telecom and OAM services are degraded.		
<b>Remedial action:</b> Check the network status and cabling if possible. If the alarm persists, contact the next level support.		

**Table 26-1167 IK4305163 - DHCP CLIENT LEASE FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305163 (4753) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: major Specific problem: DHCP CLIENT LEASE FAILURE (669) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the DHCP client to obtain the lease from the DHCP server.		
<b>Impact:</b> Telecom traffic is not possible and the eNodeB backhaul interface is not configured.		
<b>Remedial action:</b> Check for connectivity. Check for DHCP server and network configurations.		

**Table 26-1168 IK4305164 - IP LOOPBACK ACTIVE**

Alarm	Attributes	Applicable major releases
Name: IK4305164 (4754) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: IP LOOPBACK ACTIVE (670) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the IP loopback is activated.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: The maintenance is restricted to local terminal.		
<b>Remedial action:</b> Call the next level of support.		

Table 26-1169 IK4305165 - MODULE SCENARIO ERROR

Alarm	Attributes	Applicable major releases
Name: IK4305165 (4755) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: critical Specific problem: MODULE SCENARIO ERROR (1070) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates an internal procedure failure due to no response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: Impact on OAM service during reset.		
<b>Remedial action:</b> Reset the eNB. If the alarm persists, replace the module.		

Table 26-1170 IK4305166 - OAM RFME FAULT 4

Alarm	Attributes	Applicable major releases
Name: IK4305166 (4756) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 4 (1192) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

Table 26-1171 IK4305167 - OAM RFME FAULT 5

Alarm	Attributes	Applicable major releases
Name: IK4305167 (4757) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 5 (1193) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1172 IK4305168 - OAM RFME FAULT 6**

Alarm	Attributes	Applicable major releases
Name: IK4305168 (4758) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: OAM RFME FAULT 6 (1194) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1173 IK4305169 - VSWR CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4305169 (4759) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: VSWR CONFIGURATION FAILURE (1085) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the thresholds of the VSWR configuration could not be applied to the eNodeB.		
<b>Impact:</b> No impact on telecom or OAM service but VSWR supervision may not be active.		
<b>Remedial action:</b> Verify the correctness of the configuration data and apply the data again. If this fails to correct the fault then reset the eNodeB.		

**Table 26-1174 IK4305170 - RFME AVAILABLE WITHOUT LTECELL CONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4305170 (4760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: RFME AVAILABLE WITHOUT LTECELL CONFIGURATION (1195) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is RFME equipped but no cell is mapped.		
<b>Impact:</b> The cell is disabled.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1175 IK4305171 - LOCAL CELL POWER LIMIT EXCEEDED

Alarm	Attributes	Applicable major releases
Name: IK4305171 (4761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: minor Specific problem: LOCAL CELL POWER LIMIT EXCEEDED (1144) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The downlink total power for a cell assigned to this RE exceeds the Local Cell Power Limit set at installation time.		
<b>Impact:</b> All cells assigned to the impacted RE, can not be configured or activated.		
<b>Remedial action:</b> Reconfigure the cell of this RE: set the power to be less than or equal to the local cell power limit defined for this MSRE at installation time.		

Table 26-1176 IK4305172 - MEDO FAULT 1

Alarm	Attributes	Applicable major releases
Name: IK4305172 (4762) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 1 (1196) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

Table 26-1177 IK4305173 - MEDO FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4305173 (4763) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 2 (1197) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1178 IK4305174 - MEDO FAULT 3**

Alarm	Attributes	Applicable major releases
Name: IK4305174 (4764) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO FAULT 3 (1198) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for MEDO for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1179 IK4305177 - RESET DATABASE**

Alarm	Attributes	Applicable major releases
Name: IK4305177 (4765) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: RESET DATABASE (1145) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure to restore database.		
<b>Impact:</b> The controller board resets automatically with an empty database.		
<b>Remedial action:</b> Contact the next level of support.		

**Table 26-1180 IK4305178 - CONFIGURATION DATA MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4305178 (4766) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: warning Specific problem: CONFIGURATION DATA MISMATCH VERSUS HARDWARE (1146) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configuration data versus the equipped hardware.		
<b>Impact:</b> The affected hardware and the assigned cell is not operational.		
<b>Remedial action:</b> Verify and correct the configuration data. Verify and correct the hardware configuration		

Table 26-1181 IK4305179 - CERTIFICATE EXPIRED

Alarm	Attributes	Applicable major releases
Name: IK4305179 (4767) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: CERTIFICATE EXPIRED (1152) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The eNodeB discovered an expired certificate during validity date audit. Re-install or reconfigure the eNodeB so that key pair creation and certificate enrollment with the CMS are performed again.		
<b>Impact:</b> The ltpsec tunnels are using expired certificates.		
<b>Remedial action:</b> Trigger the certificate enrollment to generate new certificates.		

Table 26-1182 IK4305180 - FEATURE CARRIER AGGREGATION NOT SUPPORTED

Alarm	Attributes	Applicable major releases
Name: IK4305180 (4768) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE CARRIER AGGREGATION NOT SUPPORTED (1199) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration with Carrier Aggregation is not supported by the equipped modem type.		
<b>Impact:</b> Telecom traffic is not enabled for the cell.		
<b>Remedial action:</b> Verify and correct the configuration data.		

Table 26-1183 IK4305181 - FEATURE SIX CELLS NOT SUPPORTED

Alarm	Attributes	Applicable major releases
Name: IK4305181 (4769) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE SIX CELLS NOT SUPPORTED (1200) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration with six cells with single carrier is not supported by the equipped modem type.		
<b>Impact:</b> Telecom traffic is not enabled for the cell.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1184 IK4305182 - FEATURE TR-CARRIER NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4305182 (4770) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE TR-CARRIER NOT SUPPORTED (1201) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell configuration with Tri-carrier is not supported by the equipped modem type.		
<b>Impact:</b> Telecom traffic is not enabled for the cell.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1185 IK4305183 - SCB TWAMP EXCESSIVE TEST SESSIONS**

Alarm	Attributes	Applicable major releases
Name: IK4305183 (4771) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB TWAMP EXCESSIVE TEST SESSIONS (1202) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
<b>Impact:</b> TWAMP test sessions above the number supported are ignored.		
<b>Remedial action:</b> Check the TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

**Table 26-1186 IK4305184 - RFTRACE STOPPED DUE TO ACTIVE DDT**

Alarm	Attributes	Applicable major releases
Name: IK4305184 (5358) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: RFTRACE STOPPED DUE TO ACTIVE DDT (1203) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that RF trace has stopped because dynamic debug trace has been activated.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		



Table 26-1187 IK4305185 - CMS INIT START

Alarm	Attributes	Applicable major releases
Name: IK4305185 (5359) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT START (1204) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that operator certificate enrollment scenario started.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1188 IK4305186 - CPRI LICENSE REQUIRED TO SUPPORT BANDWIDTH FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major releases
Name: IK4305186 (5360) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CPRI LICENSE REQUIRED TO SUPPORT BANDWIDTH FOR CONFIGURED LTECELL (1205) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the required CPRI line rate to support the bandwidth of the configured cell can not be achieved due to licensing restriction.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> The operator shall purchase the license for CPRI rate 5		

Table 26-1189 IK4306000 - UNEXPECTED RF MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4306000 (5361) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: UNEXPECTED RF MODULE RESET (1206) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned failure on the RFM. Specific details are in the Additional Text.		
<b>Impact:</b> Depending on the nature of the failure, some Telecom or OAM functionalities may not be available during recovery. On successful reset, the Telecom and OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1190 IK4306001 - SESSION STOP FAILURE AT MCE**

Alarm	Attributes	Applicable major releases
Name: IK4306001 (4772) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: SESSION STOP FAILURE AT MCE (1207) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the Session Stop procedure has failed at MCE level.		
<b>Impact:</b> Risk of MBSFN mode breakdown for the MBSFN Area having the session wrongly stopped.		
<b>Remedial action:</b> No action is required.		

**Table 26-1191 IK4306002 - SESSION STOP FAILURE AT ENB**

Alarm	Attributes	Applicable major releases
Name: IK4306002 (4773) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SESSION STOP FAILURE AT ENB (1208) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the Session Stop procedure has failed at eNB level.		
<b>Impact:</b> Risk of MBSFN mode breakdown for the MBSFN Area having the session wrongly stopped.		
<b>Remedial action:</b> No action is required.		

**Table 26-1192 IK4306003 - MBSFN - POSITIONNING REFERENCE SIGNAL COLLISION**

Alarm	Attributes	Applicable major releases
Name: IK4306003 (4774) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBSFN - POSITIONNING REFERENCE SIGNAL COLLISION (1209) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the set of sub-frames allocated by the MCE for eMBMS services overwrites some sub-frames dedicated to Positioning reference signals.		
<b>Impact:</b> New eMBMS services may not be transmitted or geolocalization of users may fail.		
<b>Remedial action:</b> No action is required.		

Table 26-1193 IK4306004 - MBSFN - ABS SUB-FRAME COLLISON

Alarm	Attributes	Applicable major releases
Name: IK4306004 (4775) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBSFN - ABS SUB-FRAME COLLISON (1210) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the set of sub-frames allocated by the MCE for eMBMS services includes some Almost Blank Subframes reserved for the eICIC feature.		
<b>Impact:</b> New eMBMS services may not be transmitted or the current cell may interfere with some neighbour cells.		
<b>Remedial action:</b> No action is required.		

Table 26-1194 IK4306005 - LACK OF UNICAST RESOURCES DUE TO EMBMS RESOURCE ALLOCATION

Alarm	Attributes	Applicable major releases
Name: IK4306005 (4776) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: LACK OF UNICAST RESOURCES DUE TO EMBMS RESOURCE ALLOCATION (1211) Implicitly cleared: true Default probable cause: congestion (694)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the amount of sub-frames needed by the unicast bearers is exceeding the configured threshold.		
<b>Impact:</b> Unicast traffic in excess may be discarded.		
<b>Remedial action:</b> Multiple actions are possible: (1) use a greater value of unicastPercentUsageThreshold (2) use a larger value of unicastCongestionTime (3) reserve more resources for eMBMS in eNB admission control (percentMcastReservedPRB) (4) limit the eMBMS resources over the different MBSFN areas in the MCE configuration (5) set up external equipments so that they can notify the MCE of session start with more anticipation and unicast bearers have more time to disconnect		

Table 26-1195 IK4306006 - NETCONF QUEUE LIMIT EXCEEDED

Alarm	Attributes	Applicable major releases
Name: IK4306006 (4777) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: NETCONF QUEUE LIMIT EXCEEDED (1212) Implicitly cleared: true Default probable cause: queueSizeExceeded (712)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that one or more DB update request messages received from eNB CallIP has been discarded by eNB OAM due to Netconf queue exceeding its limit. The alarm is cleared when no messages have been discarded for 5 minutes.		
<b>Impact:</b> DB updates triggered by CallIP (such as Neighbor relation and X2Access additions/deletion/modifications) cannot be made.		
<b>Remedial action:</b> Remove any PCI related mismatches using WPS checks (specifically check Nei_Lte_0003)		

**Table 26-1196 IK4306008 - #11 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306008 (4779) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #11 IPSEC TUNNEL FAILURE (1214) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#11).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1197 IK4306009 - #12 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306009 (4780) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #12 IPSEC TUNNEL FAILURE (1215) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#12).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

**Table 26-1198 IK4306010 - #13 IPSEC TUNNEL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306010 (4781) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #13 IPSEC TUNNEL FAILURE (1216) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#13).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1199 IK4306011 - #14 IPSEC TUNNEL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306011 (4782) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: #14 IPSEC TUNNEL FAILURE (1217) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the failure of the IPsec tunnel (#14).		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check the IP Security configuration.		

Table 26-1200 IK4306014 - INSUFFICIENT CPRI IQ RESOURCE FOR CONFIGURED LTECELL

Alarm	Attributes	Applicable major releases
Name: IK4306014 (4999) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: INSUFFICIENT CPRI IQ RESOURCE FOR CONFIGURED LTECELL (1220) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there are no cpri IQ resource available to support the configured cell.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check any HW(SFP, RRH type, CB type) impact on CPRI IQ resource. If HW is correct, verify and correct the configuration data.		

Table 26-1201 IK4306015 - INVALID TIME ZONE NAME

Alarm	Attributes	Applicable major releases
Name: IK4306015 (5362) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: INVALID TIME ZONE NAME (1221) Implicitly cleared: true Default probable cause: softwareError (718)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNodeB could not be configured with the requested time zone.		
<b>Impact:</b> Telecom: No impact on the service. OAM: While this alarm is active, the eNB will use UTC as the local time zone, and the alarm will persist until the user correctly configures the timeZoneName, even when the eNB restarts. When the eNB is correctly configured to a valid timeZoneName, the alarm will be cleared.		
<b>Remedial action:</b> Operator may select another equivalent time zone value, e.g. try Etc/GMT+x or Etc/GMT-x instead of the requested Area/Location, or contact their next level of technical support.		

**Table 26-1202 IK4306016 - CELL DISABLED DUE TO LRA**

Alarm	Attributes	Applicable major releases
Name: IK4306016 (5363) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL DISABLED DUE TO LRA (1222) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell was disabled by a LRA from another alarm.		
<b>Impact:</b> The service is not possible on this cell.		
<b>Remedial action:</b> Lock and unlock the cell. If the alarm persists. Call the next level of support.		

**Table 26-1203 IK4306017 - PARAMETER WRITE FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306017 (5364) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Specific problem: PARAMETER WRITE FAILURE (1223) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> An antenna port parameter (such as antennaGainConfigure or horizontalBeamwidthConfigure) was set, however the corresponding parameter (antennaGain, horizontalBeamwidth) could not be changed, possibly because the value is read from the hardware (such as for AA units). The SAM and eNodeB databases have different values for these parameters while the alarm is raised.		
<b>Impact:</b> No direct system impact, however the modified parameter should be returned to its previous value to clear the alarm and keep the SAM and eNodeB database aligned.		
<b>Remedial action:</b> Determine the equipped RFM type. If AA, then antenna characteristics are read from the hardware and cannot be modified. Change the setting (antennaGainConfigure, horizontalBeamwidthConfigure, or other) back to Unset.		

**Table 26-1204 IK4306022 - IPSEC KEY GENERATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306022 (5000) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: IPSEC KEY GENERATION FAILURE (1224) Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNB platform failed to generate an RSA key pair for IPsec.		
<b>Impact:</b> If the RSA key generation fails, the eNB cannot request a new IPsec certificate, and the eNB cannot setup the IPsec tunnel with the SeGW. The communication between the eNB and SAM and Packet Core (MME, SGW) will be lost.		
<b>Remedial action:</b> Reboot the eNB manually at a later time. If this problem continues, the operator should contact Alcatel-Lucent support.		

**Table 26-1205 IK4306023 - IPSEC IKE CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306023 (5001) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: IPSEC IKE CONFIGURATION FAILURE (1225) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm indicates IPsec IKE configuration failure.		
<b>Impact:</b> If the IPsec and/or IKE configuration failed, then the eNB cannot setup the IPsec tunnel with the SeGW. Depending on the tunnel configuration (OAM or Telecom), the communication between the eNB and SAM and Packet Core (MME, SGW) will not be possible.		
<b>Remedial action:</b> Check the correctness of the eNB configuration data and apply the data again. eNB should reset. If after eNB start-up the problem/alarm persists and the problem is not related to eNB misconfiguration then call next level of support.		

**Table 26-1206 IK4306024 - MEDO LOSS OF COMMUNICATION**

Alarm	Attributes	Applicable major releases
Name: IK4306024 (5002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: MEDO LOSS OF COMMUNICATION (1226) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that a failure in internal communication with the Metro Dock.		
<b>Impact:</b> OAM inventory reporting for Metro Dock becoming incorrect.		
<b>Remedial action:</b> Check for connectivity with the board.		

**Table 26-1207 IK4306025 - HW SW CAPABILITY INCOMPATIBLE MODEM TYPE**

Alarm	Attributes	Applicable major releases
Name: IK4306025 (5003) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: HW SW CAPABILITY INCOMPATIBLE MODEM TYPE (1227) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the installed modem type is not compatible with installed controller board or with expectedModemType.		
<b>Impact:</b> TELECOM traffic is not allowed with this configuration.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operator has to 1 - lock the cell. 2 - change the MIM configuration accordingly the installed eNB HW. 3 - unlock the cell.		

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**Table 26-1208 IK4306026 - HW SW CAPABILITY EXPECTED CONTROLLER NOT EQUIPPED**

Alarm	Attributes	Applicable major releases
Name: IK4306026 (5004) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: HW SW CAPABILITY EXPECTED CONTROLLER NOT EQUIPPED (1228) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the installed controller type is not compatible with the expectedControllerType in MIM.		
<b>Impact:</b> TELECOM traffic is not allowed with this configuration.		
<b>Remedial action:</b> The operator has to 1 - lock the cell. 2 - change the MIM configuration accordingly the installed eNB controller HW. 3 - unlock the cell.		

**Table 26-1209 IK4306027 - UNEXPECTED BASEBAND BOARD RESET BB**

Alarm	Attributes	Applicable major releases
Name: IK4306027 (5005) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: UNEXPECTED BASEBAND BOARD RESET BB (1229) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the baseband board suffered from an unexpected, unplanned reset. Specific details are in the Additional Text.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: No impact on OAM.		
<b>Remedial action:</b> No action is required.		



Table 26-1210 IK4306028 - INTER-FREQ LOAD BALANCING BEGIN

Alarm	Attributes	Applicable major releases
Name: IK4306028 (5006) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: INTER-FREQ LOAD BALANCING BEGIN (1230) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicate that inter-freq load balancing procedure begins.		
<b>Impact:</b> No impact		
<b>Remedial action:</b> No action is required.		

Table 26-1211 IK4306029 - INTER-FREQ LOAD BALANCING END

Alarm	Attributes	Applicable major releases
Name: IK4306029 (5007) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: INTER-FREQ LOAD BALANCING END (1231) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicate that inter-freq load balancing procedure ends.		
<b>Impact:</b> No impact		
<b>Remedial action:</b> No action is required.		

Table 26-1212 IK4306030 - MCE CAC FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306030 (5008) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: MCE CAC FAILURE (1232) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Description1: MCE admission reaches the max nbr of sessions in MBSFN Area -Mbsfnareald-; Failed sessions -listofFailedTmgi-; at time -TargetUtcTime-; Description2: MCE admission reaches the max nbr of available sub-frames in MBSFN Area -Mbsfnareald- at time -TargetUtcTime-; Nbr of needed Sf -; NbrNeededSf-; nbr of available Sf -NbrAvailableSf-; failed sessions -listofFailedTmgi-;		
<b>Impact:</b> One or several eMBMS sessions are rejected.		
<b>Remedial action:</b> No action is required.		

**Table 26-1213 IK4306031 - M2 ERROR INDICATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306031 (5009) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: M2 ERROR INDICATION FAILURE (1233) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the fault is still present on eNB side in despite of a M2 ERROR INDICATION procedure previously exchanged between the eNB and the MCE to solve the issue.		
<b>Impact:</b> One or several eMBMS sessions can not be broadcasted.		
<b>Remedial action:</b> No action is required.		

**Table 26-1214 IK4306032 - PCI RAISED RECORD REMOVED**

Alarm	Attributes	Applicable major releases
Name: IK4306032 (5010) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: PCI RAISED RECORD REMOVED (1234) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates SAM/operator that the raised PCI changing request is deleted by eNB itself due to the PCI status changing to unresolved or resolved by other ways.		
<b>Impact:</b> No impact		
<b>Remedial action:</b> No action is required.		

**Table 26-1215 IK4306033 - SON REQUEST TABLE NOT EMPTY**

Alarm	Attributes	Applicable major releases
Name: IK4306033 (5011) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: SON REQUEST TABLE NOT EMPTY (1235) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates SAM/operator that there are valid SON 'changing request records' remaining and waiting for operator feedback in the SON control mode.		
<b>Impact:</b> If no feedback from operator on these 'changing request record', the related process in SON control mode is pending.		
<b>Remedial action:</b> Operator give feedback on the existing 'changing request record'.		

Table 26-1216 IK4306034 - SON REQUEST TABLE FULL

Alarm	Attributes	Applicable major releases
Name: IK4306034 (5012) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: SON REQUEST TABLE FULL (1236) Implicitly cleared: true Default probable cause: performanceDegraded (710)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates SAM/operator that there is no valid SON related 'changing request records' can be raised by eNB in the SON control mode.		
<b>Impact:</b> If no feedback from operator on these 'changing request record', the control mode of certain SON area is totally pending.		
<b>Remedial action:</b> Operator give feedback on the existing request record.		

Table 26-1217 IK4306035 - INCONSISTENT IP VERSION MULTICAST ADDRESS

Alarm	Attributes	Applicable major releases
Name: IK4306035 (5365) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: INCONSISTENT IP VERSION MULTICAST ADDRESS (1237) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that inconsistency between the VLAN configuration in the eNB and the IP version of the multicast address or the IP version of the multicast source address received in the M3 Session Start and M2 Session Start messages.		
<b>Impact:</b> The Multicast channel cannot be established with the Last Hop router and the M1 multicast traffic cannot be sent by the eNB.		
<b>Remedial action:</b> No action is required.		

Table 26-1218 IK4306036 - OAM MODEM FUNCTION FAULT 2

Alarm	Attributes	Applicable major releases
Name: IK4306036 (5366) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: minor Specific problem: OAM MODEM FUNCTION FAULT 2 (1190) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This is a spare alarm for future use.		
<b>Impact:</b> Refer to additional information in the alarm report.		
<b>Remedial action:</b> Refer to additional information in the alarm report.		

**Table 26-1219 IK4306037 - SIM HEALTH CHECK -TX PWR FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4306037 (5367) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: SIM HEALTH CHECK -TX PWR FAILED (1238) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the System Integrity Monitor monitoring the health of the eNodeB has detected a degradation. Depending on the severity of the degradation, local recovery actions may be taken.		
<b>Impact:</b> Telecom: The alarm is notice that the cell is degraded. OAM: no impact.		
<b>Remedial action:</b> If the alarm persists, the cell may need to be reinitialized.		

**Table 26-1220 IK4306038 - DNS RESOLUTION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4306038 (5368) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DNS RESOLUTION ERROR (1239) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the searched item does not exist in DNS		
<b>Impact:</b> Depends on eNB configuration for certificate revocation (strictCrIPolicy parameter): either no impact (not strict..) or IPsec setup fails in which case there will be a separate alarm		
<b>Remedial action:</b> No action is required.		

**Table 26-1221 IK4306039 - LOSS OF EMBMS PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4306039 (5369) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

**Table 26-1222 IK4306040 - LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4306040 (5370) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE (1240) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the LTE Cell is logically reset and the RF is reconfigured during parameter update procedure.		
<b>Impact:</b> The LTE Cell is reset and the RF is reconfigured, releasing all calls handled on this cell. The cell is then back into service with new values of the parameters.		
<b>Remedial action:</b> No action is required.		

**Table 26-1223 IK4306041 - SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE**

Alarm	Attributes	Applicable major releases
Name: IK4306041 (5371) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: SHUTDOWN TIMEOUT WITH EMERGENCY HIGH PRIORITY CALLS ACTIVE (1178) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the shutdown timer has expired for a shutting down MO but the cell has at least one emergency or high priority call active. The shutting down MO will not be locked until all emergency and high priority calls have terminated.		
<b>Impact:</b> Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
<b>Remedial action:</b> Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

**Table 26-1224 IK4306042 - EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL**

Alarm	Attributes	Applicable major releases
Name: IK4306042 (5372) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: EMERGENCY HIGH PRIORITY CALLS ACTIVE FOR BLOCKED CELL (1179) Implicitly cleared: true Default probable cause: callEstablishmentError (778)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that there is at least one emergency or high priority call active on a cell that is blocked. The cell will not be disabled until all emergency and high priority calls have terminated.		

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Alarm	Attributes	Applicable major releases
<b>Impact:</b> Transmit power is not gradually reduced in the affected cell to encourage handoffs of existing calls. Shutting down MO is not locked until all emergency and high priority calls are terminated.		
<b>Remedial action:</b> Operator should wait for all emergency and high priority calls to terminate or force the shut down to end by locking the shutting down MO.		

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Table 26-1225 IK4306043 - WALG INITIALIZATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306043 (5373) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: WALG INITIALIZATION FAILURE (660) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a failure to initialize the eNodeB network processor.		
<b>Impact:</b> Telecom traffic is not possible.		
<b>Remedial action:</b> Reset the eNodeB.		

Table 26-1226 IK4306044 - CB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306044 (5013) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifcs	Severity: variable Specific problem: CB UNEXPECTED PARTIAL FAILURE (1241) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the CB. Specific details are in the Additional Text.		
<b>Impact:</b> Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
<b>Remedial action:</b> No action is required.		

Table 26-1227 IK4306045 - BB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306045 (5014) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB UNEXPECTED PARTIAL FAILURE (1242) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the BB. Specific details are in the Additional Text.		
<b>Impact:</b> Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
<b>Remedial action:</b> No action is required.		

Table 26-1228 IK4306046 - SCB UNEXPECTED PARTIAL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306046 (5015) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB UNEXPECTED PARTIAL FAILURE (1243) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned partial failure on the SCB. Specific details are in the Additional Text.		
<b>Impact:</b> Depending on the nature of the partial failure, some Telecom or OAM functionalities may not be available during recovery. On recovery, the Telecom and OAM functionalities are available. Details of the fault signature are in the additional text.		
<b>Remedial action:</b> No action is required.		

Table 26-1229 IK4306047 - POOL USAGE FOR RADIO ALLOCATION

Alarm	Attributes	Applicable major releases
Name: IK4306047 (5016) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: POOL USAGE FOR RADIO ALLOCATION (1244) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the MCE needs to use the pool of radio resources to complete the allocation for a session.		
<b>Impact:</b> No impact.		
<b>Remedial action:</b> No action is required.		

**Table 26-1230 IK4306048 - MBMS RADIO CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306048 (5017) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: MBMS RADIO CONFIGURATION FAILURE (1245) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the radio configuration made by the MCE for eMBMS could not be setup correctly.		
<b>Impact:</b> eMBMS services not transmitted.		
<b>Remedial action:</b> No action is required.		

**Table 26-1231 IK4306049 - TIME FOR SESSION START STOP or UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4306049 (5018) Type: integrityViolation (85) Package: lte Raised on class: lte.Mce	Severity: variable Specific problem: TIME FOR SESSION START STOP or UPDATE (489) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates that there is no absolute time has been provided in any received M3 MBMS Session Start Request, M3 MBMS Session Stop Request or M3 MBMS Session Update Request message.		
<b>Impact:</b> MbsfnArea allocation inconsistency might occur		
<b>Remedial action:</b> For the future sessions to start or stop, check that the Absolute Time is filled to avoid any risk of MbsfnArea allocation inconsistency.		

**Table 26-1232 IK4306050 - BAND CLASS-BANDWIDTH NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4306050 (5019) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: BAND CLASS-BANDWIDTH NOT SUPPORTED (1246) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that when a non-supported Band Class or Bandwidth is detected based on the Metro modem type.		
<b>Impact:</b> Disable cell		
<b>Remedial action:</b> 1 - Lock the cell. ; 2. Make sure to configure/equip the supported Band-class or Band width based on the equipped Modem type.; 3. -Unlock the cell.		



**Table 26-1233 IK4306051 - MODEM CAPACITY CONFIGURATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306051 (5020) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: minor Specific problem: MODEM CAPACITY CONFIGURATION FAILURE (1247) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that if the capacity tolerance check fails based on the Metro modem type.		
<b>Impact:</b> cell is degraded		
<b>Remedial action:</b> Check the capacity tolerance based the equipped Modem type.		

**Table 26-1234 IK4306052 - MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD**

Alarm	Attributes	Applicable major releases
Name: IK4306052 (5021) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: critical Specific problem: MODEM BOARD INCOMPATIBLE WITH CONTROLLER BOARD (1248) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the modem board is not compatible with the controller board.		
<b>Impact:</b> The cell(s) supported by this modem are disabled.		
<b>Remedial action:</b> Change the modem board to a modem board supported by the controller type.		

**Table 26-1235 IK4306053 - CB DATA BASE RESTORE FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306053 (5022) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB DATA BASE RESTORE FAILURE (1249) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates if eNB fails to download successfully the full DB backup file for a full DB restore request, this alarm will be raised and the download will be failed.		
<b>Impact:</b> Depending on the nature of download failure, some Telecom or OAM functionalities may not be available during eCCM HW swap.		
<b>Remedial action:</b> Retry the download. If the problem persists, contact the next level support.		

**Table 26-1236 IK4306060 - RFM OPERATION PROCESSING FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306060 (5023) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM OPERATION PROCESSING FAILURE (278) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This alarm indicates the fault in the RFM software processing.		
<b>Impact:</b> The module is not usable. The LTE cells associated with this module are not operational.		
<b>Remedial action:</b> Reset the RFM. If the problem persists, contact the next level support.		

**Table 26-1237 IK4306061 - LOSS OF EMBMS PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4306061 (5374) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: LOSS OF EMBMS PHASE SYNC (755) Implicitly cleared: true Default probable cause: lossOfSignal (99)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the phase-sync requirement for supporting eMBMS can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eMBMS specified commitment for error rate and cell coverage can no longer be guaranteed due to phase drift.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

**Table 26-1238 IK4306062 - CB UNEXPECTED SOC FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306062 (5375) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB UNEXPECTED SOC FAILURE (1250) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned reset on a SOC of a CB. Specific details are in the Additional Text.		
<b>Impact:</b> Telecom: all calls and cells associated to the SOC are not operational during reset. On successful reset, all resources are operational.		
<b>Remedial action:</b> No action is required.		

**Table 26-1239 IK4306063 - BB UNEXPECTED SOC FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306063 (5376) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: BB UNEXPECTED SOC FAILURE (1251) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned reset on a SOC of a BB. Specific details are in the Additional Text.		
<b>Impact:</b> Telecom: all calls and cells associated to the SOC are not operational during reset. On successful reset, all resources are operational.		
<b>Remedial action:</b> No action is required.		

**Table 26-1240 IK4306064 - ENB LOCATION VERIFICATION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306064 (5377) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: critical Specific problem: ENB LOCATION VERIFICATION FAILURE (1252) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the eNB may not be in the expected location.		
<b>Impact:</b> Configured coordinates of the eNB might not be correct.		
<b>Remedial action:</b> Check the bbu Configured latitude and longitude and the bbuPositionErrorThreshold.		

**Table 26-1241 IK4306065 - RET SOFTWARE DOWNLOAD IN PROGRESS**

Alarm	Attributes	Applicable major releases
Name: IK4306065 (5378) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: RET SOFTWARE DOWNLOAD IN PROGRESS (1253) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Software Download to RET unit Started.		
<b>Impact:</b> The RET unit will not support some management functions while the software download is in progress.		
<b>Remedial action:</b> No action is required.		

**Table 26-1242 IK4306066 - CONFIGURED CELL RESOURCES MISMATCH VERSUS HARDWARE**

Alarm	Attributes	Applicable major releases
Name: IK4306066 (5024) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: minor Specific problem: CONFIGURED CELL RESOURCES MISMATCH VERSUS HARDWARE (1254) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates inconsistency in the eNodeB configured cell resources versus the hardware capacity.		
<b>Impact:</b> Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration		

**Table 26-1243 IK4306067 - RET SOFTWARE DOWNLOAD COMPLETED**

Alarm	Attributes	Applicable major releases
Name: IK4306067 (5379) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: RET SOFTWARE DOWNLOAD COMPLETED (1255) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Software Download to a RET unit Completed. The RET unit will reset automatically and would start on the new software		
<b>Impact:</b> The RET unit will support all management functions after restart with the new software.		
<b>Remedial action:</b> No action is required.		

**Table 26-1244 IK4306068 - RET ACF DOWNLOAD IN PROGRESS**

Alarm	Attributes	Applicable major releases
Name: IK4306068 (5380) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: RET ACF DOWNLOAD IN PROGRESS (1256) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Download of an Antenna Configuration File to RET Subunit Started. The RET unit will not operational until the download is completed.		
<b>Impact:</b> The RET unit will not support some management functions while the software download is in progress.		
<b>Remedial action:</b> No action is required.		

**Table 26-1245 IK4306069 - CELL RECONFIGURATION ATTEMPT TO A NEW BB**

Alarm	Attributes	Applicable major releases
Name: IK4306069 (5025) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: CELL RECONFIGURATION ATTEMPT TO A NEW BB (1257) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that an attempt to reconfigure the lteCell to a new BB is performed. This procedure happens when a BB meets a permanent failure or when a new BB is inserted in the DBU.		
<b>Impact:</b> Short loss of the LTE service on this cell during the reconfiguration procedure if the cell was enabled at the moment it is reconfigured. The Carrier Aggregation is lost if this reconfiguration happens for coverage recovery reasons.		
<b>Remedial action:</b> No action is required.		

**Table 26-1246 IK4306070 - LOSS OF ECSFB PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4306070 (5026) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: major Specific problem: LOSS OF ECSFB PHASE SYNC (1258) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the 10us phase-sync requirement for supporting eCSFB can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eCSFB performance is degraded.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

**Table 26-1247 IK4306077 - LOSS OF ECSFB PHASE SYNC**

Alarm	Attributes	Applicable major releases
Name: IK4306077 (5027) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: major Specific problem: LOSS OF ECSFB PHASE SYNC (1258) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the 10us phase-sync requirement for supporting eCSFB can no longer be guaranteed due to the loss of clock reference.		
<b>Impact:</b> eCSFB performance is degraded.		
<b>Remedial action:</b> If alarm remains consider the Clock reference alarms to determine the cause of the onset of holdover.		

**Table 26-1248 IK4306078 - INCONSISTENT IP VERSION MULTICAST ADDRESS**

Alarm	Attributes	Applicable major releases
Name: IK4306078 (5028) Type: communicationsAlarm (4) Package: lte Raised on class: lte.M3MmeTransportLayerAccess	Severity: variable Specific problem: INCONSISTENT IP VERSION MULTICAST ADDRESS (1237) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This event indicates that inconsistency between the VLAN configuration in the eNB and the IP version of the multicast address or the IP version of the multicast source address received in the M3 Session Start and M2 Session Start messages.		
<b>Impact:</b> The Multicast channel cannot be established with the Last Hop router and the M1 multicast traffic cannot be sent by the eNB.		
<b>Remedial action:</b> Change the configuration of the IP version in the VLAN at the eNB or the IP version of the multicast address or the IP version of the address of the multicast source at the eNB's GW.		

**Table 26-1249 IK4306079 - CELL RESET OAM TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4306079 (5029) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL RESET OAM TIMEOUT (1259) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates message from eNB OAM is not received in Cellcallp in time		
<b>Impact:</b> The service is not possible on this cell.		
<b>Remedial action:</b> Lock and unlock the cell. If the alarm persists. Call the next level of support.		

**Table 26-1250 IK4306080 - TMA SOFTWARE DOWNLOAD IN PROGRESS**

Alarm	Attributes	Applicable major releases
Name: IK4306080 (5381) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: TMA SOFTWARE DOWNLOAD IN PROGRESS (1260) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Software Download to TMA unit Started.		
<b>Impact:</b> The TMA unit might not support some management functions while the software download is in progress.		
<b>Remedial action:</b> No action is required.		

Table 26-1251 IK4306081 - TMA SOFTWARE DOWNLOAD COMPLETED

Alarm	Attributes	Applicable major releases
Name: IK4306081 (5382) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.TmaAldEntry	Severity: variable Specific problem: TMA SOFTWARE DOWNLOAD COMPLETED (1261) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a Software Download to a TMA unit Completed. The TMA unit will reset automatically and would start on the new software		
<b>Impact:</b> The TMA will support all management functions.		
<b>Remedial action:</b> No action is required.		

Table 26-1252 IK4306082 - RET ACF DOWNLOAD COMPLETED

Alarm	Attributes	Applicable major releases
Name: IK4306082 (5383) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RetAldEntry	Severity: variable Specific problem: RET ACF DOWNLOAD COMPLETED (1262) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the Download of the ACF to the RET unit completed.		
<b>Impact:</b> The RET unit will not support some tilt functions until a calibrated command is sent to this unit. Some model will execute an automatic calibrate function after the completion of the new ACF.		
<b>Remedial action:</b> No action is required.		

Table 26-1253 IK4306092 - MODEM RESET DUE TO RE-ASSIGNMENT OF MODEM RESOURCES

Alarm	Attributes	Applicable major releases
Name: IK4306092 (5030) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: MODEM RESET DUE TO RE-ASSIGNMENT OF MODEM RESOURCES (1263) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> The event indicates that a Modem has been reset due to the re-assignment of the modem resources to cells.		
<b>Impact:</b> Service impact on Modem		
<b>Remedial action:</b> No action is required.		

**Table 26-1254 IK4306093 - FEATURE ONE LOGIC CELL NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4306093 (5031) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE ONE LOGIC CELL NOT SUPPORTED (1264) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the OLC feature is not supported by current cell configuration.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1255 IK4306094 - FEATURE RRH DAISY CHAIN NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4306094 (5032) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: FEATURE RRH DAISY CHAIN NOT SUPPORTED (1265) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the cell mapped on chained RRH is not supported by equipped controller type.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 26-1256 IK4306095 - CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION**

Alarm	Attributes	Applicable major releases
Name: IK4306095 (5033) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: CELL CONFIGURATION DATA MISMATCH VERSUS CORRESPONDING FEATURE DEACTIVATION (1185) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates the cell configuration data mismatch versus corresponding feature deactivation.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data.		



Table 26-1257 IK4306096 - PCI UNSOLVED UNDER CONTROLLED MODE

Alarm	Attributes	Applicable major releases
Name: IK4306096 (5034) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: PCI UNSOLVED UNDER CONTROLLED MODE (1266) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a PCI conflict (collision and/or confusion) between the cell and a neighbour one. A manual intervention is needed to solve the problem. This can happen in the following case: The recommended PCI value can't be raised by eNB and PCI controlled mode is activated.		
<b>Impact:</b> Interference in reference signal of conflicting cells, preventing potentially UEs to select these cells.		
<b>Remedial action:</b> Increase the list of allowed PCI values, either for the local or for the distant eNodeB or manual PCI online modification from SAM.		

Table 26-1258 IK4306098 - LAST S1 SCTP ASSOCIATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306098 (5035) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION FAILURE (640) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the MME does not acknowledge the S1 association request from the eNodeB.		
<b>Impact:</b> Telecom: Telecom traffic is not possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

Table 26-1259 IK4306099 - LAST S1 SCTP ASSOCIATION DOWN

Alarm	Attributes	Applicable major releases
Name: IK4306099 (5036) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MmeTransportLayerAccess	Severity: critical Specific problem: LAST S1 SCTP ASSOCIATION DOWN (641) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates the last S1 association fault between eNodeB and MME.		
<b>Impact:</b> Telecom: Impacts the telecom service depending on the nature of failure. OAM: No impact on OAM service.		
<b>Remedial action:</b> 1. Check IP and SCTP provisioning in eNB and MME. 2. Check network connectivity between eNB and MME.		

**Table 26-1260 IK4306100 - NO RESPONSE TO ECHO REQUEST ON LAST S1**

Alarm	Attributes	Applicable major releases
Name: IK4306100 (5037) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MmeAccess	Severity: critical Specific problem: NO RESPONSE TO ECHO REQUEST ON LAST S1 (1267) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates the last S1 fault following no response to a GTP Echo request. The alarm is triggered when the eNodeB does not receive a response to a GTP echo request message sent on a S1 interface towards a Serving Gateway. The alarm is triggered to signal a S1 failure when there are several SGW because of several operators with their own SGW or because an operator has several SGW. It is not possible to identify the failed S1 link.		
<b>Impact:</b> Telecom: The performance of the telecom service is low. OAM: No impact on OAM service.		
<b>Remedial action:</b> Check for connectivity and verify the GTP provisioning.		

**Table 26-1261 IK4306101 - PCI CHANGE**

Alarm	Attributes	Applicable major releases
Name: IK4306101 (5038) Type: communicationsAlarm (4) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: PCI CHANGE (1268) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a new PCI is assigned by the eNodeB to the cell.		
<b>Impact:</b> The cell has been reset. The Cell is running with the new PCI.		
<b>Remedial action:</b> No action is required.		

**Table 26-1262 IK4306107 - ALL ALARMS CLEARED**

Alarm	Attributes	Applicable major releases
Name: IK4306107 (5039) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: minor Specific problem: ALL ALARMS CLEARED (1213) Implicitly cleared: true Default probable cause: softwareProgramAbnormallyTerminated (719)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This is a pseudo alarm to indicate that all pending alarms have been cleared, e.g. by a reset of the eNB controller.		
<b>Impact:</b> There is no impact by this alarm.		
<b>Remedial action:</b> No Maintenance Action requires.		

Table 26-1263 IK4500001 - AMR EXTERNAL CONTACT CHANGE 1

Alarm	Attributes	Applicable major releases
Name: IK4500001 (2715) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 1 (1269) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1264 IK4500002 - AMR EXTERNAL CONTACT CHANGE 2

Alarm	Attributes	Applicable major releases
Name: IK4500002 (2716) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 2 (1270) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1265 IK4500003 - AMR EXTERNAL CONTACT CHANGE 3

Alarm	Attributes	Applicable major releases
Name: IK4500003 (2717) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 3 (1271) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1266 IK4500004 - AMR EXTERNAL CONTACT CHANGE 4**

Alarm	Attributes	Applicable major releases
Name: IK4500004 (2718) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 4 (1272) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1267 IK4500005 - AMR EXTERNAL CONTACT CHANGE 5**

Alarm	Attributes	Applicable major releases
Name: IK4500005 (2719) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 5 (1273) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1268 IK4500006 - AMR EXTERNAL CONTACT CHANGE 6**

Alarm	Attributes	Applicable major releases
Name: IK4500006 (2720) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 6 (1274) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1269 IK4500007 - AMR EXTERNAL CONTACT CHANGE 7

Alarm	Attributes	Applicable major releases
Name: IK4500007 (2721) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 7 (1275) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1270 IK4500008 - AMR EXTERNAL CONTACT CHANGE 8

Alarm	Attributes	Applicable major releases
Name: IK4500008 (2722) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: AMR EXTERNAL CONTACT CHANGE 8 (1276) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the RF cabinet external contact for the user alarm closure has changed.		
<b>Impact:</b> Impacts the user equipment.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1271 IK4500009 - DBU EXTERNAL CONTACT CHANGE 1

Alarm	Attributes	Applicable major releases
Name: IK4500009 (2723) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 1 (1277) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1272 IK4500010 - DBU EXTERNAL CONTACT CHANGE 2**

Alarm	Attributes	Applicable major releases
Name: IK4500010 (2724) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 2 (1278) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1273 IK4500011 - DBU EXTERNAL CONTACT CHANGE 3**

Alarm	Attributes	Applicable major releases
Name: IK4500011 (2725) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 3 (1279) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1274 IK4500012 - DBU EXTERNAL CONTACT CHANGE 4**

Alarm	Attributes	Applicable major releases
Name: IK4500012 (2726) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 4 (1280) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1275 IK4500013 - DBU EXTERNAL CONTACT CHANGE 5

Alarm	Attributes	Applicable major releases
Name: IK4500013 (2727) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 5 (1281) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1276 IK4500014 - DBU EXTERNAL CONTACT CHANGE 6

Alarm	Attributes	Applicable major releases
Name: IK4500014 (2728) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 6 (1282) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1277 IK4500015 - DBU EXTERNAL CONTACT CHANGE 7

Alarm	Attributes	Applicable major releases
Name: IK4500015 (2729) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 7 (1283) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1278 IK4500016 - DBU EXTERNAL CONTACT CHANGE 8**

Alarm	Attributes	Applicable major releases
Name: IK4500016 (2730) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 8 (1284) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1279 IK4500017 - DBU EXTERNAL CONTACT CHANGE 9**

Alarm	Attributes	Applicable major releases
Name: IK4500017 (2731) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 9 (1285) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1280 IK4500018 - DBU EXTERNAL CONTACT CHANGE 10**

Alarm	Attributes	Applicable major releases
Name: IK4500018 (2732) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 10 (1286) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		



Table 26-1281 IK4500019 - DBU EXTERNAL CONTACT CHANGE 11

Alarm	Attributes	Applicable major releases
Name: IK4500019 (2733) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 11 (1287) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1282 IK4500020 - DBU EXTERNAL CONTACT CHANGE 12

Alarm	Attributes	Applicable major releases
Name: IK4500020 (2734) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 12 (1288) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1283 IK4500021 - DBU EXTERNAL CONTACT CHANGE 13

Alarm	Attributes	Applicable major releases
Name: IK4500021 (2735) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 13 (1289) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1284 IK4500022 - DBU EXTERNAL CONTACT CHANGE 14**

Alarm	Attributes	Applicable major releases
Name: IK4500022 (2736) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 14 (1290) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1285 IK4500023 - DBU EXTERNAL CONTACT CHANGE 15**

Alarm	Attributes	Applicable major releases
Name: IK4500023 (2737) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 15 (1291) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1286 IK4500024 - DBU EXTERNAL CONTACT CHANGE 16**

Alarm	Attributes	Applicable major releases
Name: IK4500024 (2738) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 16 (1292) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1287 IK4500025 - DBU EXTERNAL CONTACT CHANGE 17

Alarm	Attributes	Applicable major releases
Name: IK4500025 (2739) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 17 (1293) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1288 IK4500026 - DBU EXTERNAL CONTACT CHANGE 18

Alarm	Attributes	Applicable major releases
Name: IK4500026 (2740) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 18 (1294) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1289 IK4500027 - DBU EXTERNAL CONTACT CHANGE 19

Alarm	Attributes	Applicable major releases
Name: IK4500027 (2741) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 19 (1295) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1290 IK4500028 - DBU EXTERNAL CONTACT CHANGE 20**

Alarm	Attributes	Applicable major releases
Name: IK4500028 (2742) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 20 (1296) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1291 IK4500029 - DBU EXTERNAL CONTACT CHANGE 21**

Alarm	Attributes	Applicable major releases
Name: IK4500029 (2743) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 21 (1297) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1292 IK4500030 - DBU EXTERNAL CONTACT CHANGE 22**

Alarm	Attributes	Applicable major releases
Name: IK4500030 (2744) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 22 (1298) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1293 IK4500031 - DBU EXTERNAL CONTACT CHANGE 23

Alarm	Attributes	Applicable major releases
Name: IK4500031 (2745) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 23 (1299) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1294 IK4500032 - DBU EXTERNAL CONTACT CHANGE 24

Alarm	Attributes	Applicable major releases
Name: IK4500032 (2746) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 24 (1300) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1295 IK4500033 - DBU EXTERNAL CONTACT CHANGE 25

Alarm	Attributes	Applicable major releases
Name: IK4500033 (2747) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.ENBShelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 25 (1301) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1296 IK4500034 - DBU EXTERNAL CONTACT CHANGE 26**

Alarm	Attributes	Applicable major releases
Name: IK4500034 (2748) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 26 (1302) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1297 IK4500035 - DBU EXTERNAL CONTACT CHANGE 27**

Alarm	Attributes	Applicable major releases
Name: IK4500035 (2749) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 27 (1303) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1298 IK4500036 - DBU EXTERNAL CONTACT CHANGE 28**

Alarm	Attributes	Applicable major releases
Name: IK4500036 (2750) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 28 (1304) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1299 IK4500037 - DBU EXTERNAL CONTACT CHANGE 29

Alarm	Attributes	Applicable major releases
Name: IK4500037 (2751) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 29 (1305) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1300 IK4500038 - DBU EXTERNAL CONTACT CHANGE 30

Alarm	Attributes	Applicable major releases
Name: IK4500038 (2752) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 30 (1306) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

Table 26-1301 IK4500039 - DBU EXTERNAL CONTACT CHANGE 31

Alarm	Attributes	Applicable major releases
Name: IK4500039 (2753) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 31 (1307) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1302 IK4500040 - DBU EXTERNAL CONTACT CHANGE 32**

Alarm	Attributes	Applicable major releases
Name: IK4500040 (2754) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: DBU EXTERNAL CONTACT CHANGE 32 (1308) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates a change in the external user alarm contact state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the user equipment.		

**Table 26-1303 IK4500041 - RFM EXTERNAL CONTACT CHANGE 1**

Alarm	Attributes	Applicable major releases
Name: IK4500041 (2755) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 1 (1309) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

**Table 26-1304 IK4500042 - RFM EXTERNAL CONTACT CHANGE 2**

Alarm	Attributes	Applicable major releases
Name: IK4500042 (2756) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 2 (1310) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		



Table 26-1305 IK4500043 - RFM EXTERNAL CONTACT CHANGE 3

Alarm	Attributes	Applicable major releases
Name: IK4500043 (2757) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 3 (1311) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

Table 26-1306 IK4500044 - RFM EXTERNAL CONTACT CHANGE 4

Alarm	Attributes	Applicable major releases
Name: IK4500044 (2758) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 4 (1312) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

Table 26-1307 IK4500045 - RFM EXTERNAL CONTACT CHANGE 5

Alarm	Attributes	Applicable major releases
Name: IK4500045 (2759) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 5 (1313) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

**Table 26-1308 IK4500046 - RFM EXTERNAL CONTACT CHANGE 6**

Alarm	Attributes	Applicable major releases
Name: IK4500046 (2760) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 6 (1314) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

**Table 26-1309 IK4500047 - RFM EXTERNAL CONTACT CHANGE 7**

Alarm	Attributes	Applicable major releases
Name: IK4500047 (3272) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 7 (1315) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

**Table 26-1310 IK4500048 - RFM EXTERNAL CONTACT CHANGE 8**

Alarm	Attributes	Applicable major releases
Name: IK4500048 (3273) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: RFM EXTERNAL CONTACT CHANGE 8 (1316) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that the external alarm wired to the RFM has changed state.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Check the attached user equipment.		

**Table 26-1311 IK4901001 - POWER ON**

Alarm	Attributes	Applicable major releases
Name: IK4901001 (2761) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: POWER ON (1317) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system is powered on successfully.		
<b>Impact:</b> All resources are available on successful power on of the system.		
<b>Remedial action:</b> No action is required.		

**Table 26-1312 IK4901002 - CORRUPT FILE**

Alarm	Attributes	Applicable major releases
Name: IK4901002 (2762) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

**Table 26-1313 IK4901003 - CORRUPT FILE**

Alarm	Attributes	Applicable major releases
Name: IK4901003 (2763) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

Table 26-1314 IK4901004 - CORRUPT FILE

Alarm	Attributes	Applicable major releases
Name: IK4901004 (2764) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RRH	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

Table 26-1315 IK4901005 - CORRUPT FILE

Alarm	Attributes	Applicable major releases
Name: IK4901005 (2765) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TRDU	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

Table 26-1316 IK4901010 - RESET OAM EXCEPTION

Alarm	Attributes	Applicable major releases
Name: IK4901010 (2770) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET OAM EXCEPTION (1323) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is reset due to an processor exception.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1317 IK4901011 - RESET AFTER ACTIVATE WITH DB MIGRATION

Alarm	Attributes	Applicable major releases
Name: IK4901011 (2771) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH DB MIGRATION (1324) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation and the successful data migration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1318 IK4901012 - RESET AFTER ACTIVATE WITHOUT DB MIGRATION

Alarm	Attributes	Applicable major releases
Name: IK4901012 (2772) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITHOUT DB MIGRATION (1325) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation without a data migration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1319 IK4901013 - RESET AFTER ACTIVATE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major releases
Name: IK4901013 (2773) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH EMPTY DATABASE (1326) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation. The database is not found.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1320 IK4901014 - RESET AFTER REJECT**

Alarm	Attributes	Applicable major releases
Name: IK4901014 (2774) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER REJECT (1327) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the software is rejected. The module is reset to activate the previous software version.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1321 IK4901015 - RESET AFTER REJECT WITH EMPTY DATABASE**

Alarm	Attributes	Applicable major releases
Name: IK4901015 (2775) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET AFTER REJECT WITH EMPTY DATABASE (1328) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the software is rejected. The module is reset to activate the previous software version. The database is not found.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1322 IK4901016 - AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE**

Alarm	Attributes	Applicable major releases
Name: IK4901016 (2776) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE (1329) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a reset was performed due to the activation of the previous software version caused by a corrupt file.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1323 IK4901018 - SW UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major releases
Name: IK4901018 (2778) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SW UPDATED AUTOMATICALLY (1331) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the board was enabled with invalid software. OAM automatically updates the required software version.		
<b>Impact:</b> Telecom: All calls and cells associated with the module are not operational. On successful reset, all resources are functional. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1324 IK4901019 - CB DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4901019 (2779) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB DOWNLOAD FAILURE (1332) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure of the FTP transfer of the software package from the code-server to the local RAM disk.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1325 IK4901020 - CB MODULE DOWNLOAD FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4901020 (2780) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB MODULE DOWNLOAD FAILURE (1333) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1326 IK4901022 - RRH MODULE DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901022 (2782) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: RRH MODULE DOWNLOAD FAILURE (1335) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1327 IK4901023 - TRDU MODULE DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901023 (2783) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: TRDU MODULE DOWNLOAD FAILURE (1336) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1328 IK4901024 - SOFTWARE AND DATABASE FALLBACK**

Alarm	Attributes	Applicable major releases
Name: IK4901024 (2784) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SOFTWARE AND DATABASE FALLBACK (1337) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
<b>Impact:</b> Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		



Table 26-1329 IK4901025 - SOFTWARE FALLBACK

Alarm	Attributes	Applicable major releases
Name: IK4901025 (2785) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: SOFTWARE FALLBACK (1338) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
<b>Impact:</b> Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1330 IK4901026 - NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES

Alarm	Attributes	Applicable major releases
Name: IK4901026 (2786) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES (1339) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the new software package does not support all actual hardware modules installed in the eNodeB.		
<b>Impact:</b> Telecom: Modules not supported by the software may not offer telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1331 IK4901027 - BACK TO FACTORY MODE

Alarm	Attributes	Applicable major releases
Name: IK4901027 (3274) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BACK TO FACTORY MODE (1340) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that software meta data is deleted or corrupted.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
<b>Remedial action:</b> No action is required.		

**Table 26-1332 IK4901028 - BACK TO MINIMUM DB**

Alarm	Attributes	Applicable major releases
Name: IK4901028 (3275) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: BACK TO MINIMUM DB (1341) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the database contents have been reset to default.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1333 IK4901029 - BACK TO FACTORY MODE AND MINIMUM DB**

Alarm	Attributes	Applicable major releases
Name: IK4901029 (3276) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: BACK TO FACTORY MODE AND MINIMUM DB (1342) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that software meta data is deleted or corrupted and that the database contents have been reset to default.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
<b>Remedial action:</b> No action is required.		

**Table 26-1334 IK4901030 - BB MODULE DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901030 (3277) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: BB MODULE DOWNLOAD FAILURE (1334) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1335 IK4901031 - RESET CONTROLLER OAM LACK RESOURCE

Alarm	Attributes	Applicable major releases
Name: IK4901031 (3278) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER OAM LACK RESOURCE (1319) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller board is reset due to lack of internal resources.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1336 IK4901032 - RESET CONTROLLER WATCHDOG

Alarm	Attributes	Applicable major releases
Name: IK4901032 (3279) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER WATCHDOG (1320) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is reset due to hardware watchdog timeout.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1337 IK4901033 - CONTROLLER OAM AUTO RESET

Alarm	Attributes	Applicable major releases
Name: IK4901033 (3280) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM AUTO RESET (1321) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is auto-reset due to an internal problem.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1338 IK4901034 - OAM AUTO RESET**

Alarm	Attributes	Applicable major releases
Name: IK4901034 (3281) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: OAM AUTO RESET (1322) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates an OAM auto-reset due to an internal problem.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1339 IK4901035 - UNEXPECTED CONTROL BOARD RESET**

Alarm	Attributes	Applicable major releases
Name: IK4901035 (3854) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: UNEXPECTED CONTROL BOARD RESET (1343) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the control board suffered from an unexpected, unplanned reset. Specific details are in the Additional Text.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during the reset. On a successful reset, all resources are again functional. OAM: The OAM functionality is not available during the reset. On successful reset, the OAM functionality is again available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1340 IK4901036 - AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE**

Alarm	Attributes	Applicable major releases
Name: IK4901036 (4121) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: AUTO-REJECT TO PREVIOUS SW VERSION AFTER ACTIVATE (1329) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a reset was performed due to the activation of the previous software version caused by a corrupt file.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1341 IK4901037 - BACK TO FACTORY MODE

Alarm	Attributes	Applicable major releases
Name: IK4901037 (4122) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BACK TO FACTORY MODE (1340) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that software meta data is deleted or corrupted.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
<b>Remedial action:</b> No action is required.		

Table 26-1342 IK4901038 - BACK TO MINIMUM DB

Alarm	Attributes	Applicable major releases
Name: IK4901038 (4123) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BACK TO MINIMUM DB (1341) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the database contents have been reset to default.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1343 IK4901039 - BACK TO FACTORY MODE AND MINIMUM DB

Alarm	Attributes	Applicable major releases
Name: IK4901039 (4124) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BACK TO FACTORY MODE AND MINIMUM DB (1342) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that software meta data is deleted or corrupted and that the database contents have been reset to default.		
<b>Impact:</b> Telecom: No telecom service possible. OAM: No impact on OAM service except for remote board contact which is not possible.		
<b>Remedial action:</b> No action is required.		

**Table 26-1344 IK4901040 - SCB DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901040 (4125) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB DOWNLOAD FAILURE (1344) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure of the FTP transfer of the software package from the code-server to the local RAM disk.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1345 IK4901041 - SCB MODULE DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901041 (4126) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SCB MODULE DOWNLOAD FAILURE (1345) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1346 IK4901042 - CONTROLLER OAM AUTO RESET**

Alarm	Attributes	Applicable major releases
Name: IK4901042 (4127) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: CONTROLLER OAM AUTO RESET (1321) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is auto-reset due to an internal problem.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1347 IK4901043 - CORRUPT FILE

Alarm	Attributes	Applicable major releases
Name: IK4901043 (4128) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

Table 26-1348 IK4901044 - NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES

Alarm	Attributes	Applicable major releases
Name: IK4901044 (4129) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: NEW SW DOES NOT SUPPORT ALL ACTUAL HW MODULES (1339) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the new software package does not support all actual hardware modules installed in the eNodeB.		
<b>Impact:</b> Telecom: Modules not supported by the software may not offer telecom services. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1349 IK4901045 - OAM AUTO RESET

Alarm	Attributes	Applicable major releases
Name: IK4901045 (4130) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: OAM AUTO RESET (1322) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates an OAM auto-reset due to an internal problem.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1350 IK4901046 - POWER ON**

Alarm	Attributes	Applicable major releases
Name: IK4901046 (4131) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: POWER ON (1317) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the system is powered on successfully.		
<b>Impact:</b> All resources are available on successful power on of the system.		
<b>Remedial action:</b> No action is required.		

**Table 26-1351 IK4901047 - RESET AFTER ACTIVATE WITH DB MIGRATION**

Alarm	Attributes	Applicable major releases
Name: IK4901047 (4132) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH DB MIGRATION (1324) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation and the successful data migration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1352 IK4901048 - RESET AFTER ACTIVATE WITHOUT DB MIGRATION**

Alarm	Attributes	Applicable major releases
Name: IK4901048 (4133) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITHOUT DB MIGRATION (1325) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation without a data migration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		



Table 26-1353 IK4901049 - RESET AFTER ACTIVATE WITH EMPTY DATABASE

Alarm	Attributes	Applicable major releases
Name: IK4901049 (4134) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER ACTIVATE WITH EMPTY DATABASE (1326) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the software activation. The database is not found.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1354 IK4901050 - RESET AFTER REJECT

Alarm	Attributes	Applicable major releases
Name: IK4901050 (4135) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER REJECT (1327) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the software is rejected. The module is reset to activate the previous software version.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1355 IK4901051 - RESET AFTER REJECT WITH EMPTY DATABASE

Alarm	Attributes	Applicable major releases
Name: IK4901051 (4136) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET AFTER REJECT WITH EMPTY DATABASE (1328) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the software is rejected. The module is reset to activate the previous software version. The database is not found.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1356 IK4901052 - RESET CONTROLLER OAM LACK RESOURCE**

Alarm	Attributes	Applicable major releases
Name: IK4901052 (4137) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER OAM LACK RESOURCE (1319) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller board is reset due to lack of internal resources.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1357 IK4901053 - RESET CONTROLLER WATCHDOG**

Alarm	Attributes	Applicable major releases
Name: IK4901053 (4138) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER WATCHDOG (1320) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is reset due to hardware watchdog timeout.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1358 IK4901054 - RESET OAM EXCEPTION**

Alarm	Attributes	Applicable major releases
Name: IK4901054 (4139) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET OAM EXCEPTION (1323) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller is reset due to an processor exception.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1359 IK4901055 - SOFTWARE AND DATABASE FALLBACK

Alarm	Attributes	Applicable major releases
Name: IK4901055 (4140) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SOFTWARE AND DATABASE FALLBACK (1337) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
<b>Impact:</b> Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1360 IK4901056 - SOFTWARE FALLBACK

Alarm	Attributes	Applicable major releases
Name: IK4901056 (4141) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SOFTWARE FALLBACK (1338) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB has detected a critical failure during eNodeB initialization while booting from the active software partition. The eNodeB has switched over to the passive software partition and booted up on the previous software version with the previous configuration data.		
<b>Impact:</b> Telecom: Services may not be operating properly until the eNodeB is restored to the proper software version and configuration data. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1361 IK4901057 - SW UPDATED AUTOMATICALLY

Alarm	Attributes	Applicable major releases
Name: IK4901057 (4142) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: SW UPDATED AUTOMATICALLY (1331) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the board was enabled with invalid software. OAM automatically updates the required software version.		
<b>Impact:</b> Telecom: All calls and cells associated with the module are not operational. On successful reset, all resources are functional. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1362 IK4901058 - UNEXPECTED CONTROL BOARD RESET**

Alarm	Attributes	Applicable major releases
Name: IK4901058 (4143) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: UNEXPECTED CONTROL BOARD RESET (1343) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the control board suffered from an unexpected, unplanned reset. Specific details are in the Additional Text.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during the reset. On a successful reset, all resources are again functional. OAM: The OAM functionality is not available during the reset. On successful reset, the OAM functionality is again available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1363 IK4901059 - CORRUPT FILE**

Alarm	Attributes	Applicable major releases
Name: IK4901059 (4144) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RFME	Severity: variable Specific problem: CORRUPT FILE (1318) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a checksum error.		
<b>Impact:</b> Software replacement failure.		
<b>Remedial action:</b> No action is required.		

**Table 26-1364 IK4901060 - RFME MODULE DOWNLOAD FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4901060 (4145) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFME	Severity: variable Specific problem: RFME MODULE DOWNLOAD FAILURE (1346) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to transfer the software package from the local storage to the board.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1365 IK4901061 - UNSUPPORTED DELEGATION BY OTHER CONTROLLER**

Alarm	Attributes	Applicable major releases
Name: IK4901061 (5384) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: UNSUPPORTED DELEGATION BY OTHER CONTROLLER (1347) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The primary controller for this RE (CDMA, WCDMA or GSM) has delegated a management function such as 'Software Management' to the LTE controller. This function is not supported by this LTE release.		
<b>Remedial action:</b> Reconfigure the RE on the primary controller (CDMA, WCDMA or GSM) to no longer delegate the unsupported management function to LTE.		

**Table 26-1366 IK4904001 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904001 (2787) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

**Table 26-1367 IK4904002 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904002 (2788) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

**Table 26-1368 IK4904003 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904003 (2789) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

**Table 26-1369 IK4904004 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904004 (2790) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

**Table 26-1370 IK4904005 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904005 (2791) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

Table 26-1371 IK4904006 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major releases
Name: IK4904006 (2792) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1372 IK4904007 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major releases
Name: IK4904007 (2793) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1373 IK4904008 - CONFIGURATION TIMEOUT

Alarm	Attributes	Applicable major releases
Name: IK4904008 (2794) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1374 IK4904011 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904011 (2795) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1375 IK4904013 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904013 (2796) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1376 IK4904016 - MODULE INSERTION**

Alarm	Attributes	Applicable major releases
Name: IK4904016 (2797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-1377 IK4904017 - MODULE INSERTION

Alarm	Attributes	Applicable major releases
Name: IK4904017 (2798) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1378 IK4904018 - MODULE INSERTION

Alarm	Attributes	Applicable major releases
Name: IK4904018 (2799) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1379 IK4904019 - SNAPSHOT FILE AVAILABLE

Alarm	Attributes	Applicable major releases
Name: IK4904019 (2800) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SNAPSHOT FILE AVAILABLE (1351) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the availability of new snapshot files.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1380 IK4904020 - POSTMORTEM FILE AVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4904020 (2801) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: POSTMORTEM FILE AVAILABLE (1352) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the availability of new post-mortem files.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1381 IK4904021 - SNAPSHOT FILE FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904021 (2802) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SNAPSHOT FILE FAILURE (1353) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the transfer of the new snapshot files to the target server failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1382 IK4904022 - POSTMORTEM FILE FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904022 (2803) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: POSTMORTEM FILE FAILURE (1354) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the transfer of new post-mortem files to the target server failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1383 IK4904023 - MODULE INSERTION

Alarm	Attributes	Applicable major releases
Name: IK4904023 (2804) Type: equipmentAlarm (3) Package: lte Raised on class: lte.AMR	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1384 IK4904024 - MODULE INSERTION

Alarm	Attributes	Applicable major releases
Name: IK4904024 (2805) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1385 IK4904025 - MODULE INSERTION

Alarm	Attributes	Applicable major releases
Name: IK4904025 (2806) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAidEntry	Severity: variable Specific problem: MODULE INSERTION (1350) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a module insertion.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1386 IK4904026 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904026 (2807) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.AMR	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1387 IK4904027 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904027 (2808) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.TmaAIdEntry	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1388 IK4904028 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904028 (2809) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RetAIdEntry	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1389 IK4904029 - PROCESSING UNIT OCCUPANCY OVERLOAD

Alarm	Attributes	Applicable major releases
Name: IK4904029 (3282) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the processing unit is overloaded.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1390 IK4904030 - RAM USAGE OVERLOAD

Alarm	Attributes	Applicable major releases
Name: IK4904030 (3283) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the RAM exhausted.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1391 IK4904031 - PROCESSING UNIT OCCUPANCY OVERLOAD

Alarm	Attributes	Applicable major releases
Name: IK4904031 (3284) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the processing unit is overloaded.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1392 IK4904032 - RAM USAGE OVERLOAD**

Alarm	Attributes	Applicable major releases
Name: IK4904032 (3285) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the RAM exhausted.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1393 IK4904033 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT FILE AVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4904033 (3286) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT FILE AVAILABLE (1357) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the availability of new on-demand snapshot files.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1394 IK4904034 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT UPLOAD FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4904034 (3287) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT UPLOAD FAILED (1358) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the transfer of the new on-demand snapshot files to the target server failed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1395 IK4904035 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904035 (3674) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1396 IK4904036 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904036 (3855) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1397 IK4904037 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904037 (3856) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1398 IK4904038 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904038 (3857) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1399 IK4904039 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904039 (3858) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1400 IK4904040 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904040 (4146) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		



**Table 26-1401 IK4904041 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904041 (4147) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1402 IK4904042 - PROCESSING UNIT OCCUPANCY OVERLOAD**

Alarm	Attributes	Applicable major releases
Name: IK4904042 (4148) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: PROCESSING UNIT OCCUPANCY OVERLOAD (1355) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This events indicates that the processing unit is overloaded.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1403 IK4904043 - RAM USAGE OVERLOAD**

Alarm	Attributes	Applicable major releases
Name: IK4904043 (4149) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: RAM USAGE OVERLOAD (1356) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This events indicates that the RAM exhausted.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1404 IK4904044 - UPDATE RI FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904044 (4150) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Telecom: No impact on telecom service. OAM: Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

**Table 26-1405 IK4904045 - CONFIGURATION TIMEOUT**

Alarm	Attributes	Applicable major releases
Name: IK4904045 (4151) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: CONFIGURATION TIMEOUT (1349) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the time-out for a response from the module.		
<b>Impact:</b> Telecom: Impacts the telecom traffic, depending on the module state. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1406 IK4904046 - ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4904046 (4152) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: ALU DEBUG SESSION ON-DEMAND SNAPSHOT INTERNAL FAILURE (1359) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the on-demand snapshot request failed due to eNodeB internal error.		
<b>Impact:</b> No impact to eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1407 IK4904047 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4904047 (4785) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFME	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a failure to update the remote inventory information for the module.		
<b>Impact:</b> Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

Table 26-1408 IK4904048 - UPDATE RI FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4904048 (4786) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UPDATE RI FAILURE (1348) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to update the remote inventory information for the module.		
<b>Impact:</b> Incorrect information is stored in the remote inventory file or the remote inventory of the module.		
<b>Remedial action:</b> No action is required.		

Table 26-1409 IK4905002 - RESET OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major releases
Name: IK4905002 (2811) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET OAM ON OPERATOR REQUEST (1361) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1410 IK4905006 - LRA RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905006 (2815) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1411 IK4905007 - LRA RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905007 (2816) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1412 IK4905008 - LRA RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905008 (2817) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBShelfSpecifics	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1413 IK4905009 - LRA RESET

Alarm	Attributes	Applicable major releases
Name: IK4905009 (2818) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1414 IK4905010 - LRA RESET

Alarm	Attributes	Applicable major releases
Name: IK4905010 (2819) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1415 IK4905011 - MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4905011 (2820) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1416 IK4905012 - MODULE RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905012 (2821) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1417 IK4905013 - MODULE RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905013 (2822) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBSelfSpecifics	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1418 IK4905014 - MODULE RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905014 (2823) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RRH	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1419 IK4905015 - MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4905015 (2824) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TRDU	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1420 IK4905016 - MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4905016 (2825) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1421 IK4905020 - DATABASE RECONFIGURATION RESET

Alarm	Attributes	Applicable major releases
Name: IK4905020 (2828) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: DATABASE RECONFIGURATION RESET (1368) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a reset was performed due to a database reconfiguration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1422 IK4905021 - MAX NUMBER OF DYNAMIC CARDINALITY REACHED**

Alarm	Attributes	Applicable major releases
Name: IK4905021 (2829) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MAX NUMBER OF DYNAMIC CARDINALITY REACHED (1369) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This event indicates that the number of X2Access objects being in an invisible state has reached the limit and the ANR function triggers the creation of a further dynamic X2Access/X2TransportLayerAccess. The new invisible X2Access/X2TransportLayerAccess is not created.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> Remove X2 objects which are not needed from the predefined configuration data.		

**Table 26-1423 IK4905022 - FALLBACK AFTER RECONFIGURATION**

Alarm	Attributes	Applicable major releases
Name: IK4905022 (2830) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: FALLBACK AFTER RECONFIGURATION (1370) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the eNodeB did an autonomous fallback to the previous configuration because the contact to the network management system could not be restored.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1424 IK4905023 - MAX NUMBER OF CARDINALITY REACHED**

Alarm	Attributes	Applicable major releases
Name: IK4905023 (3288) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MAX NUMBER OF CARDINALITY REACHED (1367) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the maximum number of object cardinality is reached. The automatic creation of new objects is not possible anymore.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		



Table 26-1425 IK4905024 - RESET ON OPERATOR REQUEST

Alarm	Attributes	Applicable major releases
Name: IK4905024 (3289) Type: equipmentAlarm (3) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: RESET ON OPERATOR REQUEST (1360) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1426 IK4905025 - RESET CONTROLLER OAM ON OPERATOR REQUEST

Alarm	Attributes	Applicable major releases
Name: IK4905025 (3290) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: RESET CONTROLLER OAM ON OPERATOR REQUEST (1362) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1427 IK4905026 - CONTROLLER OAM RESET AFTER RESTORE

Alarm	Attributes	Applicable major releases
Name: IK4905026 (3291) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE (1363) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller board is reset to restore the configuration data.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1428 IK4905027 - CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE**

Alarm	Attributes	Applicable major releases
Name: IK4905027 (3292) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE (1364) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates an OAM auto-reset with an empty database as the database was not restored properly.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1429 IK4905028 - BBU POSITION CHANGE**

Alarm	Attributes	Applicable major releases
Name: IK4905028 (3293) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BBU POSITION CHANGE (1371) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BBU position coordinates have changed. The GPS antenna of the eNodeB has been moved or the bbuPositionDeltaX/Y/Z coordinates have been reconfigured.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1430 IK4905029 - BBU POSITION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4905029 (3294) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: BBU POSITION ERROR (1372) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BBU position coordinates might not be correct.		
<b>Impact:</b> Configured coordinates of the BBU might not be correct.		
<b>Remedial action:</b> No action is required.		

Table 26-1431 IK4905030 - MAIN ANTENNA POSITION CHANGE

Alarm	Attributes	Applicable major releases
Name: IK4905030 (3295) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: MAIN ANTENNA POSITION CHANGE (1373) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the main RF antenna position coordinates have changed. The GPS antenna of the eNodeB has been moved or the mainAntennaPositionDeltaX/Y/Z values have been reconfigured.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1432 IK4905031 - MAIN ANTENNA POSITION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4905031 (3296) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: variable Specific problem: MAIN ANTENNA POSITION ERROR (1374) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the main RF antenna position coordinates might not be correct.		
<b>Impact:</b> Location fix of UEs might be inaccurate.		
<b>Remedial action:</b> No action is required.		

Table 26-1433 IK4905034 - OAM CELL EVENT 3

Alarm	Attributes	Applicable major releases
Name: IK4905034 (3299) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: OAM CELL EVENT 3 (1377) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Spare event used in LR14.3. The OAM System Integrity Monitor has run a Health Check on the cell and has detected a degradation affecting cell performance. SIM has raised a critical alarm and is now initiating Phase 2 recovery actions to initialize the cell.		
<b>Impact:</b> Telecom: The cell will be initialized by SIM actions. OAM: no impact.		
<b>Remedial action:</b> No action is required. If the degradation persists after the Local Recovery Action, Investigation is required to determine the cause for the degradations.		

Table 26-1434 IK4905035 - OAM CELL EVENT 4

Alarm	Attributes	Applicable major releases
Name: IK4905035 (3300) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 4 (1378) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This event is for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-1435 IK4905036 - OAM CELL EVENT 5

Alarm	Attributes	Applicable major releases
Name: IK4905036 (3301) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 5 (1379) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This event is for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-1436 IK4905037 - LRA RESET

Alarm	Attributes	Applicable major releases
Name: IK4905037 (3675) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAidEntry	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1437 IK4905038 - LRA RESET

Alarm	Attributes	Applicable major releases
Name: IK4905038 (3676) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1438 IK4905039 - MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4905039 (3677) Type: equipmentAlarm (3) Package: lte Raised on class: lte.TmaAldEntry	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1439 IK4905040 - MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4905040 (3678) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RetAldEntry	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1440 IK4905041 - CELL BLOCK REQUEST RECEIVED AT SHARED RFM**

Alarm	Attributes	Applicable major releases
Name: IK4905041 (3679) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: variable Specific problem: CELL BLOCK REQUEST RECEIVED AT SHARED RFM (1380) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the RFM is about to interrupt RF operation and so any cells fully supported on the RFM should be blocked. This cell block procedure is supported on shared RFMs (including ROCM) and is triggered by the other controller sharing the RFM.		
<b>Impact:</b> Telecom: The Cell Block procedure shuts down call processing on the cell(s) supported on this RFM. OAM: None.		
<b>Remedial action:</b> No action is required.		

**Table 26-1441 IK4905043 - MODEM RESET DUE ON-LINE B-MODEM CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4905043 (3859) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: MODEM RESET DUE ON-LINE B-MODEM CLASS PARAMETER UPDATE (1381) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates Modem has reset when operator updates the value of B-Modem Class parameter on-line.		
<b>Impact:</b> Service impact on Modem		
<b>Remedial action:</b> No action is required.		

**Table 26-1442 IK4905044 - X2 LINK RESET DUE ON-LINE B-X2-INTERFACE CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4905044 (3860) Type: communicationsAlarm (4) Package: lte Raised on class: lte.X2TransportLayerAccess	Severity: variable Specific problem: X2 LINK RESET DUE ON-LINE B-X2-INTERFACE CLASS PARAMETER UPDATE (1382) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates X2 link has reset when operator updates the value of B-X2-interface Class parameter on-line.		
<b>Impact:</b> Service impact on X2 link		
<b>Remedial action:</b> No action is required.		

**Table 26-1443 IK4905045 - S1 LINK RESET DUE ON-LINE B-S1-INTERFACE CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4905045 (3861) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.MmeTransportLayerAccess	Severity: variable Specific problem: S1 LINK RESET DUE ON-LINE B-S1-INTERFACE CLASS PARAMETER UPDATE (1383) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates S1 link has reset when operator updates the value of B-S1-interface Class parameter on-line.		
<b>Impact:</b> Service impact on S1 link		
<b>Remedial action:</b> No action is required.		

**Table 26-1444 IK4905046 - CELL OUTAGE START**

Alarm	Attributes	Applicable major releases
Name: IK4905046 (3862) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: CELL OUTAGE START (1384) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the cell has stopped to provide telecom services.		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact		
<b>Remedial action:</b> No action is required.		

**Table 26-1445 IK4905047 - CELL OUTAGE END**

Alarm	Attributes	Applicable major releases
Name: IK4905047 (3863) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: CELL OUTAGE END (1385) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the cell has started to provide telecom services.		
<b>Impact:</b> Telecom: no impact. OAM: No impact.		
<b>Remedial action:</b> No action is required.		

Table 26-1446 IK4905048 - OAM CELL EVENT 6

Alarm	Attributes	Applicable major releases
Name: IK4905048 (3864) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 6 (1386) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This event is for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-1447 IK4905049 - OAM CELL EVENT 7

Alarm	Attributes	Applicable major releases
Name: IK4905049 (3865) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: variable Specific problem: OAM CELL EVENT 7 (1387) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> Provisioned for late churn-in. This event is for future use.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> No action is required.		

Table 26-1448 IK4905050 - MODULE WARM RESET

Alarm	Attributes	Applicable major releases
Name: IK4905050 (3866) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: MODULE WARM RESET (1388) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a modem warm reset of the physical cell resource.		
<b>Impact:</b> Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		



Table 26-1449 IK4905051 - LRA WARM RESET

Alarm	Attributes	Applicable major releases
Name: IK4905051 (3867) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: variable Specific problem: LRA WARM RESET (1389) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a local recovery action of the modem physical cell resource.		
<b>Impact:</b> Telecom: Associated cell and calls are not operational. OAM: No impact		
<b>Remedial action:</b> No action is required.		

Table 26-1450 IK4905052 - CMS INIT START

Alarm	Attributes	Applicable major releases
Name: IK4905052 (3868) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT START (1204) Implicitly cleared: true Default probable cause: operatorCommand (905)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates that operator certificate enrollment scenario started.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1451 IK4905053 - CMS INIT END

Alarm	Attributes	Applicable major releases
Name: IK4905053 (3869) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: CMS INIT END (1390) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that operator enrollment scenario ended.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1452 IK4905054 - KEY UPDATE START

Alarm	Attributes	Applicable major releases
Name: IK4905054 (3870) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: KEY UPDATE START (1391) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the key updated started.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1453 IK4905055 - KEY UPDATE END

Alarm	Attributes	Applicable major releases
Name: IK4905055 (3871) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: KEY UPDATE END (1392) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the key updated ended.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1454 IK4905056 - NEW CERTIFICATE AVAILABLE

Alarm	Attributes	Applicable major releases
Name: IK4905056 (3872) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: NEW CERTIFICATE AVAILABLE (1393) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This event indicates that new certificate was downloaded on eNB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1455 IK4905057 - DNS RESOLUTION ERROR

Alarm	Attributes	Applicable major releases
Name: IK4905057 (3873) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: DNS RESOLUTION ERROR (1239) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This event indicates that the searched item does not exist in DNS		
<b>Impact:</b> Depends on eNB configuration for certificate revocation (strictCrIPolicy parameter): either no impact (not strict..) or IPsec setup fails in which case there will be a separate alarm		
<b>Remedial action:</b> Check DNS configuration for HTTP URI-related records.		

Table 26-1456 IK4905058 - MF EVENT 1

Alarm	Attributes	Applicable major releases
Name: IK4905058 (4153) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 1 (645) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

Table 26-1457 IK4905059 - MF EVENT 2

Alarm	Attributes	Applicable major releases
Name: IK4905059 (4154) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 2 (646) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-1458 IK4905060 - MF EVENT 3**

Alarm	Attributes	Applicable major releases
Name: IK4905060 (4155) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MF EVENT 3 (647) Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> Unspecified MF fault detected.		
<b>Impact:</b> Unknown.		
<b>Remedial action:</b> Unknown.		

**Table 26-1459 IK4905061 - CONTROLLER OAM RESET AFTER RESTORE**

Alarm	Attributes	Applicable major releases
Name: IK4905061 (4156) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE (1363) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the controller board is reset to restore the configuration data.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1460 IK4905062 - CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE**

Alarm	Attributes	Applicable major releases
Name: IK4905062 (4157) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: CONTROLLER OAM RESET AFTER RESTORE WITH EMPTY DATABASE (1364) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates an OAM auto-reset with an empty database as the database was not restored properly.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

Table 26-1461 IK4905063 - DATABASE RECONFIGURATION RESET

Alarm	Attributes	Applicable major releases
Name: IK4905063 (4158) Type: communicationsAlarm (4) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: DATABASE RECONFIGURATION RESET (1368) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a reset was performed due to a database reconfiguration.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1462 IK4905064 - LRA RESET

Alarm	Attributes	Applicable major releases
Name: IK4905064 (4159) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 26-1463 IK4905065 - LRA WARM RESET

Alarm	Attributes	Applicable major releases
Name: IK4905065 (4160) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: LRA WARM RESET (1389) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a local recovery action of the modem physical cell resource.		
<b>Impact:</b> Telecom: Associated cell and calls are not operational. OAM: No impact		
<b>Remedial action:</b> No action is required.		

**Table 26-1464 IK4905066 - MAIN ANTENNA POSITION CHANGE**

Alarm	Attributes	Applicable major releases
Name: IK4905066 (4161) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MAIN ANTENNA POSITION CHANGE (1373) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the main RFME antenna position coordinates have changed. The GPS antenna of the eNodeB has been moved or the mainAntennaPositionDeltaX/Y/Z values have been reconfigured.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1465 IK4905067 - MAIN ANTENNA POSITION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4905067 (4162) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MAIN ANTENNA POSITION ERROR (1374) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the main RFME antenna position coordinates might not be correct.		
<b>Impact:</b> Location fix of UEs might be inaccurate.		
<b>Remedial action:</b> No action is required.		

**Table 26-1466 IK4905068 - MODULE RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905068 (4163) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MODULE RESET (1366) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1467 IK4905069 - MODULE WARM RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905069 (4164) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: MODULE WARM RESET (1388) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a modem warm reset of the physical cell resource.		
<b>Impact:</b> Telecom: The affected hardware and the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1468 IK4905070 - RESET CONTROLLER OAM ON OPERATOR REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4905070 (4165) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET CONTROLLER OAM ON OPERATOR REQUEST (1362) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1469 IK4905071 - RESET OAM ON OPERATOR REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4905071 (4166) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: RESET OAM ON OPERATOR REQUEST (1361) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1470 IK4905072 - RESET ON OPERATOR REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4905072 (4167) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: RESET ON OPERATOR REQUEST (1360) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset command by the operator.		
<b>Impact:</b> Telecom: All associated calls are lost. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required.		

**Table 26-1471 IK4905073 - LRA RESET**

Alarm	Attributes	Applicable major releases
Name: IK4905073 (4168) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFME	Severity: variable Specific problem: LRA RESET (1365) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the reset due to a local recovery action.		
<b>Impact:</b> Telecom: All associated calls and cells are not operational during reset. On successful reset, all resources are functional. OAM: The OAM functionalities are not available during reset. On successful reset, the OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

**Table 26-1472 IK4905077 - SIM HEALTH CHECK - TX PWR FAILED**

Alarm	Attributes	Applicable major releases
Name: IK4905077 (4787) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: SIM HEALTH CHECK - TX PWR FAILED (1238) Implicitly cleared: true Default probable cause: softwareProgramError (720)	<ul style="list-style-type: none"> <li>• LR13.3</li> </ul>
<b>Description:</b> This alarm indicates that the System Integrity Monitor monitoring the health of the eNodeB has detected a degradation. Depending on the severity of the degradation, local recovery actions may be taken.		
<b>Impact:</b> Telecom service is impaired on the cell.		
<b>Remedial action:</b> If the alarm persists, the cell may need to be reinitialized.		



**Table 26-1473 IK4905080 - LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE**

Alarm	Attributes	Applicable major releases
Name: IK4905080 (4788) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: LOGICAL RESET AND RF RECONF DUE TO ON-LINE B-CELL+RF(s) CLASS PARAMETER UPDATE (1240) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	<ul style="list-style-type: none"> <li>LR13.3</li> </ul>
<b>Description:</b> This event indicates the LTE Cell is logically reset and the RF is reconfigured during parameter update procedure.		
<b>Impact:</b> The LTE Cell is reset and the RF is reconfigured, releasing all calls handled on this cell. The cell is then back into service with new values of the parameters.		
<b>Remedial action:</b> None.		

**Table 26-1474 IK4905083 - AUTOMATED HANDOVER PARAMETER ADJUSTMENT COMPLETED**

Alarm	Attributes	Applicable major releases
Name: IK4905083 (4789) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: AUTOMATED HANDOVER PARAMETER ADJUSTMENT COMPLETED (1394) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the SON process that automatically adjusts intra-frequency handover parameters has no further adjustments to make.		
<b>Impact:</b> The cell will not initiate further HO parameter adjustments unless HO performance degrades more than a configurable amount or the operator manually triggers the MRO feature to attempt further adjustments.		
<b>Remedial action:</b> No action is required.		

**Table 26-1475 IK4905086 - BBU POSITION CHANGE**

Alarm	Attributes	Applicable major releases
Name: IK4905086 (4790) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: variable Specific problem: BBU POSITION CHANGE (1371) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>LR13.3</li> <li>LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BBU position coordinates have changed.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1476 IK4905087 - BBU POSITION ERROR**

Alarm	Attributes	Applicable major releases
Name: IK4905087 (4791) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: BBU POSITION ERROR (1372) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the BBU position coordinates might not be correct.		
<b>Impact:</b> Configured coordinates of the BBU might not be correct.		
<b>Remedial action:</b> No action is required.		

**Table 26-1477 IK4906001 - THREE UNSUCCESSFUL LOGIN ATTEMPTS**

Alarm	Attributes	Applicable major releases
Name: IK4906001 (2831) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: THREE UNSUCCESSFUL LOGIN ATTEMPTS (1395) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the user failed to log into the eNodeB through SSH or CLI for three times in a span of 10 minutes.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1478 IK4906002 - SUCCESSFUL LOGIN**

Alarm	Attributes	Applicable major releases
Name: IK4906002 (2832) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SUCCESSFUL LOGIN (1396) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the user successfully logged into the eNodeB through SSH or CLI.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1479 IK4906003 - UNSUCCESSFUL LOGIN ATTEMPT

Alarm	Attributes	Applicable major releases
Name: IK4906003 (2833) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UNSUCCESSFUL LOGIN ATTEMPT (1397) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the user failed to log into the eNodeB through SSH or CLI.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1480 IK4906004 - SUCCESSFUL ROLE CHANGE

Alarm	Attributes	Applicable major releases
Name: IK4906004 (2834) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SUCCESSFUL ROLE CHANGE (1398) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that the user successfully changed roles on the eNodeB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 26-1481 IK4906005 - UNSUCCESSFUL ROLE CHANGE

Alarm	Attributes	Applicable major releases
Name: IK4906005 (2835) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: UNSUCCESSFUL ROLE CHANGE (1399) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates the failure to change the user role on the eNodeB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1482 IK4906006 - ETHERNET CABLE CONNECTED**

Alarm	Attributes	Applicable major releases
Name: IK4906006 (2836) Type: physicalViolation (91) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ETHERNET CABLE CONNECTED (1400) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that an Ethernet cable is connected to a port on the eNodeB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1483 IK4906007 - ETHERNET CABLE DISCONNECTED**

Alarm	Attributes	Applicable major releases
Name: IK4906007 (2837) Type: physicalViolation (91) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ETHERNET CABLE DISCONNECTED (1401) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that an Ethernet cable is disconnected from a port on the eNodeB.		
<b>Impact:</b> Telecom outage: Loss of S1 and SyncE (if used). All associated calls are lost, there is an impact on user plane and control plane.		
<b>Remedial action:</b> No action is required.		

**Table 26-1484 IK4906008 - SECURITY LOG ROLLED OVER**

Alarm	Attributes	Applicable major releases
Name: IK4906008 (2838) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: SECURITY LOG ROLLED OVER (1402) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that a security log is rolled over.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1485 IK4906010 - AUTHORIZATION LOG READ FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4906010 (3302) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: AUTHORIZATION LOG READ FAILURE (1404) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates a failure to read the SSH authorization log. The eNodeB is unable to log login attempts.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1486 IK4906011 - NEW CERTIFICATE AVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4906011 (5385) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: NEW CERTIFICATE AVAILABLE (1393) Implicitly cleared: true Default probable cause: unknown (1097)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This event indicates that new certificate was downloaded on eNB.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

**Table 26-1487 IK4906012 - DNS SERVICE UNAVAILABLE**

Alarm	Attributes	Applicable major releases
Name: IK4906012 (5386) Type: securityServiceOrMechanismViolation (92) Package: lte Raised on class: lte.ENBEquipment	Severity: major Specific problem: DNS SERVICE UNAVAILABLE (1169) Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	<ul style="list-style-type: none"> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm indicates that No DNS server at all is available for resolving a symbolic address to a numeric IP address		
<b>Impact:</b> The IPsec tunnel cannot be setup since IKEv2 fails.		
<b>Remedial action:</b> Check the state of DNS server(s) and the state of the comm. network between eNB and DNS		

## 26 – Alcatel-Lucent 9xxx eNodeB alarms

Table 26-1488 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 26-1489 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 26-1490 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 26-1491 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 26-1492 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-1493 LTECellAdminDown - LTE Cell LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: LTECellAdminDown (1471) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: LTE Cell LOCKED BY OPERATOR (1927) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an LTE Cell Administrative State is down.		
<b>Raising condition:</b> (('administrativeState' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-1494 LTECellDegradedOrFaulty - LTE Cell DEGRADED OR FAULTY

Alarm	Attributes	Applicable major releases
Name: LTECellDegradedOrFaulty (8023) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: LTE Cell DEGRADED OR FAULTY (1928) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an LTE Cell is not fully available.		
<b>Raising condition:</b> (('availabilityStatus'anyBit'Faulty') OR ('availabilityStatus'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (((('availabilityStatus'anyBit'Faulty') OR ('availabilityStatus'anyBit'Degraded'))))		
<b>Remedial action:</b> The Cell is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 26-1495 LTECellDown - LTE Cell DOWN

Alarm	Attributes	Applicable major releases
Name: LTECellDown (1472) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: LTE Cell DOWN (1929) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an LTE Cell is operationally down and availability status is failed or dependency.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled') AND ('administrativeState' EQUAL 'Unlocked') AND (('availabilityStatus'anyBit'Failed') OR ('availabilityStatus'anyBit'Dependency')))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Locked') OR ('operationalState' EQUAL 'Enabled') OR NOT (((('availabilityStatus'anyBit'Failed') OR ('availabilityStatus'anyBit'Dependency'))))		
<b>Remedial action:</b> The Cell is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 26-1496 M3MmeAccessAdminDown - M3MmeAccess LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: M3MmeAccessAdminDown (4792) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: warning Specific problem: M3MmeAccess LOCKED BY OPERATOR (1930) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an M3MmeAccess Administrative State is down.		
<b>Raising condition:</b> (('Administrative State' NOT EQUAL 'Unlocked'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 26-1497 M3MmeAccessDegradedOrFaulty - M3MmeAccess DEGRADED OR FAULTY

Alarm	Attributes	Applicable major releases
Name: M3MmeAccessDegradedOrFaulty (8024) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: major Specific problem: M3MmeAccess DEGRADED OR FAULTY (1931) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an M3MmeAccess is not fully available.		
<b>Raising condition:</b> (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Remedial action:</b> The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 26-1498 M3MmeAccessDown - M3MmeAccess DOWN

Alarm	Attributes	Applicable major releases
Name: M3MmeAccessDown (4793) Type: equipmentAlarm (3) Package: lte Raised on class: lte.M3MmeAccess	Severity: critical Specific problem: M3MmeAccess DOWN (1932) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an M3MmeAccess is operationally down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled') AND ('Administrative State' EQUAL 'Unlocked') AND (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency')))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Locked') OR ('Operational State' EQUAL 'Enabled') OR NOT (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency')))		
<b>Remedial action:</b> The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

Table 26-1499 MmeAccessAdminDown - MmeAccess LOCKED BY OPERATOR

Alarm	Attributes	Applicable major releases
Name: MmeAccessAdminDown (1523) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeAccess	Severity: warning Specific problem: MmeAccess LOCKED BY OPERATOR (1933) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an MME Access Administrative State is down.		
<b>Raising condition:</b> (('Administrative State' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 26-1500 MmeAccessDegradedOrFaulty - MmeAccess DEGRADED OR FAULTY

Alarm	Attributes	Applicable major releases
Name: MmeAccessDegradedOrFaulty (8025) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeAccess	Severity: major Specific problem: MmeAccess DEGRADED OR FAULTY (1934) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an MME Access is not fully available.		
<b>Raising condition:</b> (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Remedial action:</b> The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

Table 26-1501 MmeAccessDown - MmeAccess DOWN

Alarm	Attributes	Applicable major releases
Name: MmeAccessDown (1524) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MmeAccess	Severity: critical Specific problem: MmeAccess DOWN (1935) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an MME Access is operationally down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled') AND ('Administrative State' EQUAL 'Unlocked') AND (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Locked') OR ('Operational State' EQUAL 'Enabled') OR NOT (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency'))))		
<b>Remedial action:</b> The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		

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Table 26-1502 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL "\")		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL "\")		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 26-1503 MonitoredLinkStatusError

Alarm	Attributes	Applicable major releases
Name: MonitoredLinkStatusError (4796) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: major Implicitly cleared: true Default probable cause: corruptData (910)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm is raised when the Network Element is reachable but the monitoring of link status fails. This alarm can be raised when several managers are managing a given Network Element which is not able to support multiple managers. The alarm can also be raised if the identifier of Network Element does not match the identifier in the Network Element managed in SAM. It is automatically cleared when the monitoring of the link status succeeds.		
<b>Raising condition:</b> ('OAM Link Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('OAM Link Status' EQUAL 'Up')		
<b>Remedial action:</b> Network Element is reachable but the monitoring of link status fails		

Table 26-1504 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 26-1505 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 26-1506 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 26-1507 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 26-1508 NodeRebooted

Alarm	Attributes	Applicable major releases
Name: NodeRebooted (32) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: nodeReboot (25)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE reboot based on the latest NE sysUpTime value.		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 26-1509 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 26-1510 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

Table 26-1511 OutOfService

Alarm	Attributes	Applicable major releases
Name: OutOfService (4385) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an Equipment is detected as Out Of Service. For an ENB: the supervision link is down and all S1c Links between the ENB and its MMEs are down.		
<b>Remedial action:</b> The NE is Out of Service. Investigate on Site.		

Table 26-1512 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 26-1513 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 26-1514 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 26-1515 PMCMaxResultStringBlockSizeNotOptimum

Alarm	Attributes	Applicable major releases
Name: PMCMaxResultStringBlockSizeNotOptimum (2922) Type: performanceOptimization (97) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: wrongValue (1120)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm is raised when the PM maximum block size that will be transferred in one SNMP request is set to a value less than an optimum value of 6000 bytes. NOTE that the node's default value can be lower than 6000 bytes.		
<b>Raising condition:</b> ('pmcMaxResultStringBlockSize' < '6000')		
<b>Clearing condition:</b> ('pmcMaxResultStringBlockSize' >=" '6000'")		
<b>Remedial action:</b> Set blocksize to the recommended value.		

Table 26-1516 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		



**Table 26-1517 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 26-1518 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 26-1519 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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**Table 26-1520 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

**Table 26-1521 RncAccessAdminDown - Rnc Access DOWN**

Alarm	Attributes	Applicable major releases
Name: RncAccessAdminDown (4797) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RncAccess	Severity: warning Specific problem: Rnc Access DOWN (1936) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when a RNC Access Administrative State is down.		
<b>Raising condition:</b> (('administrativeState' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('administrativeState' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 26-1522 SaveConfigFailed**

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 26-1523 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 26-1524 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 26-1525 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 26-1526 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 26-1527 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 26-1528 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 26-1529 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 26-1530 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 26-1531 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 26-1532 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 26-1533 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 26-1534 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 26-1535 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

**Table 26-1536 X2AccessAdminDown - X2 Access LOCKED BY OPERATOR**

Alarm	Attributes	Applicable major releases
Name: X2AccessAdminDown (1906) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: warning Specific problem: X2 Access LOCKED BY OPERATOR (1937) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an X2 Access Administrative State is down.		
<b>Raising condition:</b> (('Administrative State' NOT EQUAL 'Unlocked'))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Unlocked'))		
<b>Remedial action:</b> Informational - no corrective action required.		



**Table 26-1537 X2AccessDegradedOrFaulty - X2 Access DEGRADED OR FAULTY**

Alarm	Attributes	Applicable major releases
Name: X2AccessDegradedOrFaulty (8027) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: major Specific problem: X2 Access DEGRADED OR FAULTY (1938) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an X2 Access is not fully available.		
<b>Raising condition:</b> (('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))		
<b>Clearing condition:</b> NOT (((('Availability Status'anyBit'Faulty') OR ('Availability Status'anyBit'Degraded'))))		
<b>Remedial action:</b> The Equipment is not fully available. AvailabilityStatus value and Additional attributes may indicate the nature and cause of the issue.		

**Table 26-1538 X2AccessDown - X2 Access DOWN**

Alarm	Attributes	Applicable major releases
Name: X2AccessDown (1907) Type: equipmentAlarm (3) Package: lte Raised on class: lte.X2Access	Severity: critical Specific problem: X2 Access DOWN (1939) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	<ul style="list-style-type: none"> <li>• LR13.3</li> <li>• LR14.1.L</li> </ul>
<b>Description:</b> The alarm is raised when an X2 Access is operationally down.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Disabled') AND ('Administrative State' EQUAL 'Unlocked') AND (('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency')))		
<b>Clearing condition:</b> (('Administrative State' EQUAL 'Locked') OR ('Operational State' EQUAL 'Enabled') OR NOT (((('Availability Status'anyBit'Failed') OR ('Availability Status'anyBit'Dependency'))))		
<b>Remedial action:</b> The Equipment is inoperable. Additional attributes may indicate the nature and cause of the issue.		



## 27 — Alcatel-Lucent OS10K alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 27-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 27-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 27-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 27-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 27-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 27-6 AtcaFanFailure

Alarm	Attributes	Applicable major releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 27-7 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 27-8 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-9 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 27-10 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 27-11 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 27-12 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 27-13 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 27-14 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 27-15 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 27-16 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 27-17 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 27-18 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 27-19 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 27-20 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 27-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-22 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 27-23 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 27-24 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 27-25 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 27-26 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-27 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-28 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 27-29 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-30 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 27-31 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-32 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 27-33 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 27-34 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 27-35 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		



Table 27-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 27-37 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 27-38 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 27-39 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 27-40 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 27-41 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 27-42 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 27-43 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface is not in operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue is resolved, the alarm will clear.		

Table 27-44 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

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Table 27-45 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 27-46 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 27-47 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 27-48 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 27-49 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 27-50 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 27-51 LowTemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 27-52 LpsViolation**

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 27-53 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 27-54 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 27-55 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 27-56 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 27-57 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 27-58 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 27-59 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 27-60 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 27-61 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 27-62 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 27-63 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 27-64 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 27-65 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 27-66 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 27-67 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 27-68 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 27-69 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 27-70 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-71 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 27-72 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 27-73 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-74 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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**Table 27-75 PowerSupplyRemoved**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 27-76 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 27-77 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 27-78 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-79 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 27-80 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 27-81 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 27-82 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 27-83 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 27-84 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 27-85 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 27-86 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 27-87 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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Table 27-88 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 27-89 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 27-90 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 27-91 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 27-92 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 27-93 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 27-94 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 27-95 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 27-96 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 27-97 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 27-98 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 27-99 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>7.1.1</li> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 27-100 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 27-101 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 27-102 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 27-103 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 27-104 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 27-105 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 27-106 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 27-107 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 7.1.1</li> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Software Version' NOT EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 28-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 28-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 28-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 28-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 28-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 28-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 28-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 28-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 28-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 28-10 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 28-11 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 28-12 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 28-13 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 28-14 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 28-15 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetequipment Raised on class: ethernetequipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalstateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 28-16 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 28-18 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

**Table 28-19 EquipmentFailure**

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 28-20 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 28-21 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 28-22 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 28-23 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 28-24 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 28-25 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 28-26 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 28-27 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 28-28 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 28-29 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 28-30 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 28-31 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 28-32 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 28-33 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 28-34 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 28-35 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 28-36 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 28-37 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

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Table 28-38 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 28-39 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 28-40 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 28-41 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 28-42 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

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Table 28-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 28-44 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 28-45 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-46 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-47 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

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**Table 28-48 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 28-49 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		



Table 28-50 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 28-51 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 28-52 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 28-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 28-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 28-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 28-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 28-57 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

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Table 28-58 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 28-59 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-60 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 28-61 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 28-62 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 28-63 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 28-64 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 28-65 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 28-66 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 28-67 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

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Table 28-68 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 28-69 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		



Table 28-70 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 28-71 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 28-72 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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**Table 28-73 RedundantMepMissing**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\"'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\"')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

**Table 28-74 RemoteMepCCMAAlarm**

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 28-75 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 28-76 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 28-77 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 28-78 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 28-79 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 28-80 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 28-81 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 28-82 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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**Table 28-83 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

**Table 28-84 TemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 28-85 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 28-86 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 28-87 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 28-88 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 28-89 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 28-90 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 28-91 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**28 – Alcatel-Lucent OS6250 alarms****Table 28-92 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 28-93 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 28-94 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 28-95 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.6.1</li> <li>• 6.6.2</li> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '"TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		



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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 29-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 29-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 29-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 29-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 29-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 29-6 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 29-7 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 29-8 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 29-9 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		



**Table 29-10 ContainingEquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 29-11 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 29-12 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 29-13 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 29-14 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 29-15 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 29-16 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 29-17 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 29-18 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 29-19 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-20 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 29-21 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 29-22 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 29-23 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 29-24 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 29-25 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-26 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-27 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 29-28 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 29-29 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 29-30 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		



**Table 29-31 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 29-32 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 29-33 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

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Table 29-34 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 29-35 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 29-36 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

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Table 29-37 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 29-38 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 29-39 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 29-40 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 29-41 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

Table 29-42 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 29-43 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 29-44 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

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Table 29-45 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-46 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-47 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 29-48 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 29-49 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 29-50 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 29-51 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 29-52 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 29-53 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

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Table 29-54 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 29-55 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

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Table 29-56 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 29-57 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 29-58 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 29-59 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-60 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 29-61 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 29-62 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-63 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 29-64 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 29-65 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 29-66 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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**Table 29-67 PowerSupplyRemoved**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 29-68 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 29-69 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 29-70 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-71 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 29-72 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 29-73 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		



Table 29-74 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 29-75 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 29-76 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 29-77 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 29-78 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 29-79 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

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Table 29-80 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 29-81 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 29-82 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 29-83 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 29-84 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 29-85 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 29-86 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 29-87 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		

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## 29 – Alcatel-Lucent OS6400 alarms

Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 29-88 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 29-89 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 29-90 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 29-91 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 29-92 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 29-93 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 29-94 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		



**Table 29-95 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL 'TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL 'TiMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		



## 30 — Alcatel-Lucent OS6450 alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 30-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 30-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 30-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 30-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 30-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>6.6.3</li> <li>6.6.4</li> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 30-6 BITS2NotQualified

Alarm	Attributes	Applicable major releases
Name: BITS2NotQualified (1941) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the BITS-2 timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Input Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Input Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS2 is qualified		

Table 30-7 BITSNotQualified

Alarm	Attributes	Applicable major releases
Name: BITSNotQualified (547) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the BITS timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Output Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Output Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that BITS is qualified		

**Table 30-8 BITSReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceLossOfSignal (1950) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceLossOfSignal (938)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the BITS reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to BITS is properly configured.		

**Table 30-9 BITSReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfFrequency (1951) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfFrequency (939)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for BITS is correct.		

**Table 30-10 BITSReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: BITSReferenceOutOfPollInRange (1952) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: BITSReferenceOutOfPollInRange (940)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the BITS Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the BITS is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary		

Table 30-11 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 30-12 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 30-13 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 30-14 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 30-15 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		



**Table 30-16 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 30-17 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

**Table 30-18 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 30-19 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 30-20 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 30-21 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 30-22 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 30-23 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

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Table 30-24 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-25 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 30-26 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 30-27 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 30-28 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 30-29 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 30-30 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-31 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 30-32 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 30-33 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 30-34 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-35 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 30-36 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 30-37 ExternalTimingReferenceNotQualified

Alarm	Attributes	Applicable major releases
Name: ExternalTimingReferenceNotQualified (548) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the External timing reference on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Informational		

Table 30-38 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>6.6.3</li> <li>6.6.4</li> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 30-39 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

**Table 30-40 FrameSizeProblem (netw)**

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

**Table 30-41 GaPeerDown**

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 30-42 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 30-43 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 30-44 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

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Table 30-45 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 30-46 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface is not in operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue is resolved, the alarm will clear.		

Table 30-47 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and that the cable has not been damaged.		

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Table 30-48 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 30-49 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 30-50 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 30-51 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 30-52 LowTemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-53 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 30-54 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 30-55 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

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Table 30-56 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 30-57 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: IteService Raised on class: IteService.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 30-58 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		



Table 30-59 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 30-60 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 30-61 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 30-62 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

**Table 30-63 NodeSuspended**

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 30-64 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 30-65 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 30-66 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 30-67 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 30-68 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 30-69 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 30-70 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 30-71 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 30-72 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 30-73 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 30-74 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 30-75 PTPNotQualified**

Alarm	Attributes	Applicable major releases
Name: PTPNotQualified (3611) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPNotQualified (1400)	<ul style="list-style-type: none"> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when PTP on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 30-76 PTPReferenceLossOfSignal**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceLossOfSignal (3613) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceLossOfSignal (1402)	<ul style="list-style-type: none"> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the PTP reference on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To anyBit'LOS'))		
<b>Clearing condition:</b> NOT (('Not Qualified Due To anyBit'LOS'))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

**Table 30-77 PTPReferenceOutOfFrequency**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfFrequency (3614) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfFrequency (1403)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOFF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOFF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference One is correct.		

**Table 30-78 PTPReferenceOutOfPollInRange**

Alarm	Attributes	Applicable major releases
Name: PTPReferenceOutOfPollInRange (3615) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: PTPReferenceOutOfPollInRange (1404)	<ul style="list-style-type: none"> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the PTP Reference on an NE is not qualified state due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> If there is packet flow, the PTP slave clock is in it's initial acquiring states where the sync-if-timing reference does not qualify just wait.		

**Table 30-79 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>6.6.3</li> <li>6.6.4</li> <li>6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		



Table 30-80 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 30-81 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 30-82 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 30-83 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 30-84 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 30-85 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 30-86 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 30-87 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 30-88 ServiceSiteDown**

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

**Table 30-89 SiteManagementVlanConflict**

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

**Table 30-90 SiteVlanSubTypeConflict**

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 30-91 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 30-92 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 30-93 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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**Table 30-94 TemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 30-95 TlsSiteDown**

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

**Table 30-96 TmnxEqPortEtherLoopDetected**

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

**Table 30-97 TrapDestinationMisconfigured**

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

**Table 30-98 TrapReceivingFailure**

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band Preferred')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 30-99 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.6.3</li> <li>6.6.4</li> <li>6.6.5</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		



Table 30-100 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 30-101 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 30-102 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 30-103 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 30-104 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 30-105 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.6.3</li> <li>• 6.6.4</li> <li>• 6.6.5</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 31-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 31-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 31-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 31-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 31-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 31-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 31-7 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-8 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 31-9 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 31-10 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 31-11 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 31-12 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 31-13 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 31-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 31-15 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 31-16 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 31-17 EfmOamAlarm**

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 31-18 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 31-19 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

Table 31-20 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 31-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-22 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

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**Table 31-23 EquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 31-24 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 31-25 EthernetPortConfiguredLoopback**

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

**Table 31-26 EthernetPortDuplicateLane**

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 31-27 EthernetPortHighBer**

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 31-28 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-29 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 31-30 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 31-31 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-32 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 31-33 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 31-34 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		



Table 31-35 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 31-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 31-37 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 31-38 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 31-39 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 31-40 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 31-41 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 31-42 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

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Table 31-43 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 31-44 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 31-45 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 31-46 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 31-47 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

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**Table 31-48 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 31-49 LowTemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-50 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 31-51 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 31-52 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

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Table 31-53 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 31-54 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 31-55 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 31-56 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 31-57 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 31-58 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 31-59 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 31-60 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

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Table 31-61 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 31-62 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when node is not managed by any EMS after n retries (threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add a discovery rule in order to manage it.		

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Table 31-63 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 31-64 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 31-65 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 31-66 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 31-67 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 31-68 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 31-69 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 31-70 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

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Table 31-71 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 31-72 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('InputFeedStatus' EQUAL 'Input A Down') OR ('InputFeedStatus' EQUAL 'Input B Down') OR (('InputFeedStatus'allBits'Input A Down') AND ('InputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('InputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 31-73 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 31-74 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('ImageSource' NOT EQUAL 'Primary') AND ('ImageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('ImageSource' EQUAL 'Primary') OR ('ImageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 31-75 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

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**Table 31-76 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 31-77 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 31-78 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 31-79 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 31-80 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

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Table 31-81 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 31-82 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 31-83 ScheduledPollerProblem**

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

**Table 31-84 ServiceSiteDown**

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

**Table 31-85 SiteManagementVlanConflict**

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

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Table 31-86 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 31-87 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 31-88 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 31-89 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 31-90 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 31-91 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 31-92 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 31-93 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.4.2</li> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 31-94 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.4.2</li> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		



Table 31-95 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

Table 31-96 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 31-97 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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**Table 31-98 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 31-99 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 31-100 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 31-101 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 31-102 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 31-103 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.4.2</li> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

## 32 — Alcatel-Lucent OS6855 alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 32-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 32-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 32-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 32-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 32-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 32-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 32-7 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 32-8 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 32-9 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 32-10 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 32-11 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 32-12 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 32-13 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 32-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 32-15 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 32-16 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 32-17 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOAMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

**Table 32-18 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 32-19 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 32-20 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 32-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-22 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 32-23 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 32-24 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 32-25 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 32-26 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 32-27 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-28 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 32-29 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 32-30 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		



Table 32-31 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-32 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 32-33 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 32-34 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 32-35 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 32-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 32-37 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 32-38 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

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Table 32-39 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 32-40 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 32-41 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 32-42 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 32-43 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

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Table 32-44 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 32-45 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 32-46 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 32-47 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 32-48 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 32-49 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-50 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 32-51 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		



**Table 32-52 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 32-53 MepAISReceivedAlarm**

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

**Table 32-54 MobileConnectorDown**

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: IteService Raised on class: IteService.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')'		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')'		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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Table 32-55 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 32-56 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 32-57 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

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Table 32-58 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

Table 32-59 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 32-60 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 32-61 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 32-62 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 32-63 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 32-64 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-65 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

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Table 32-66 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 32-67 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 32-68 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-69 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 32-70 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

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Table 32-71 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-72 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		



Table 32-73 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 32-74 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 32-75 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

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Table 32-76 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-77 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 32-78 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

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Table 32-79 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\"'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\"')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 32-80 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

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Table 32-81 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 32-82 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 32-83 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 32-84 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 32-85 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 32-86 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

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Table 32-87 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 32-88 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 32-89 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

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Table 32-90 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 32-91 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 32-92 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 32-93 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 32-94 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

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Table 32-95 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 32-96 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 32-97 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 32-98 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 32-99 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 32-100 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 32-101 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 32-102 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 32-103 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

## 33 — Alcatel-Lucent OS6900 alarms



**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 33-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 33-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 33-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 33-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 33-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 33-6 AtcaFanFailure

Alarm	Attributes	Applicable major releases
Name: AtcaFanFailure (1124) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('operationalState' EQUAL 'Disabled') OR ('operationalState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Enabled') OR ('operationalState' EQUAL 'Up'))		
<b>Remedial action:</b> This alarm is raised if the fan speed falls below 500 rpm. If the alarm persists, replace the appropriate (upper or lower) fan tray.		

Table 33-7 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 33-8 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-9 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 33-10 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 33-11 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 33-12 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

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Table 33-13 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 33-14 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 33-15 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

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Table 33-16 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 33-17 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 33-18 EquipmentAdministrativelyDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 33-19 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 33-20 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 33-21 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-22 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 33-23 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 33-24 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 33-25 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 33-26 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 33-27 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-28 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 33-29 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 33-30 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		



Table 33-31 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-32 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 33-33 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 33-34 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfService'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 33-35 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 33-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 33-37 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 33-38 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

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Table 33-39 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

Table 33-40 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 33-41 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 33-42 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 33-43 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface is not in operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue is resolved, the alarm will clear.		

Table 33-44 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

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Table 33-45 LabelProblem

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>7.3.2</li> <li>7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 33-46 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> <li>7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 33-47 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 33-48 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 33-49 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

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Table 33-50 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-51 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-52 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		



**Table 33-53 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 33-54 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 33-55 MepAISReceivedAlarm**

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 33-56 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 33-57 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 33-58 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 33-59 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 33-60 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 33-61 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 33-62 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 33-63 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 33-64 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 33-65 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-66 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 33-67 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 33-68 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 33-69 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 33-70 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 33-71 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 33-72 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 33-73 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-74 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 33-75 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 33-76 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 33-77 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 33-78 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 33-79 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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**Table 33-80 RedundantMepMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

**Table 33-81 RedundantMepMissing**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 33-82 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 33-83 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 33-84 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 33-85 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 33-86 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 33-87 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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**Table 33-88 ServiceSiteDown**

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

**Table 33-89 SiteManagementVlanConflict**

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

Table 33-90 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 33-91 SpbSiteDown

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

Table 33-92 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 33-93 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 33-94 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 33-95 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 33-96 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 33-97 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 33-98 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> <li>7.3.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 33-99 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>7.2.1</li> <li>7.3.1</li> <li>7.3.2</li> <li>7.3.3</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 33-100 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 33-101 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 33-102 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

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Table 33-103 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 33-104 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 33-105 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-106 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 33-107 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 7.2.1</li> <li>• 7.3.1</li> <li>• 7.3.2</li> <li>• 7.3.3</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Software Version' NOT EQUAL \"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 34-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 34-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 34-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 34-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		



Table 34-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 34-6 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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**Table 34-8 BootableConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 34-9 BootParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 34-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 34-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 34-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 34-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 34-14 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 34-15 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 34-16 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 34-17 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 34-18 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 34-19 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-20 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 34-21 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 34-22 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 34-23 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 34-24 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 34-25 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		



Table 34-26 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-27 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 34-28 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 34-29 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-30 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-31 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 34-32 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

Table 34-33 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

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Table 34-34 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 34-35 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 34-36 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

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Table 34-37 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 34-38 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 34-39 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 34-40 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 34-41 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 34-42 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 34-43 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 34-44 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 34-45 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 34-46 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		



Table 34-47 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-48 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 34-49 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 34-50 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 34-51 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 34-52 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 34-53 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 34-54 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 34-55 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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**Table 34-56 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 34-57 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 34-58 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 34-59 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 34-60 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 34-61 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 34-62 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 34-63 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 34-64 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-65 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 34-66 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 34-67 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-68 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 34-69 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 34-70 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 34-71 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 34-72 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-73 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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Table 34-74 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

Table 34-75 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 34-76 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 34-77 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 34-78 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 34-79 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 34-80 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 34-81 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

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Table 34-82 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 34-83 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 34-84 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 34-85 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 34-86 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 34-87 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 34-88 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 34-89 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 34-90 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 34-91 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 34-92 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 34-93 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 34-94 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 34-95 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 34-96 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 34-97 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL 'TiMOS-B-3.0.Generic ') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL 'TiMOS-B-3.0.Generic ') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 35-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 35-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 35-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 35-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 35-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 35-6 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 35-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 35-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		



Table 35-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 35-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 35-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 35-13 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

**Table 35-14 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

**Table 35-15 downgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 35-16 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 35-17 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 35-18 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 35-19 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-20 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 35-21 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 35-22 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 35-23 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 35-24 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-25 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 35-26 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 35-27 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 35-28 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 35-29 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 35-30 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		



**Table 35-31 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 35-32 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 35-33 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

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Table 35-34 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 35-35 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 35-36 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

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Table 35-37 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 35-38 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 35-39 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 35-40 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 35-41 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 35-42 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 35-43 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 35-44 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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**Table 35-45 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 35-46 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 35-47 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 35-48 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 35-49 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

Table 35-50 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 35-51 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

Table 35-52 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')'		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')'		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		



Table 35-53 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 35-54 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 35-55 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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Table 35-56 NodeDatabaseFallbackDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

Table 35-57 NodeDatabaseMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 35-58 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 35-59 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 35-60 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 35-61 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 35-62 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 35-63 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 35-64 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 35-65 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 35-66 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 35-67 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-68 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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Table 35-69 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

Table 35-70 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 35-71 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 35-72 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 35-73 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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**Table 35-74 RedundantMepMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

**Table 35-75 RedundantMepMissing**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 35-76 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 35-77 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 35-78 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 35-79 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 35-80 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 35-81 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

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Table 35-82 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 35-83 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 35-84 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 35-85 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 35-86 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 35-87 TlsSiteDown**

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

**Table 35-88 TmnxEqPortEtherLoopDetected**

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

**Table 35-89 TrapDestinationMisconfigured**

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 35-90 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 35-91 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 35-92 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 35-93 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		



**Table 35-94 UpgradedBuildVersionMismatch**

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

**Table 35-95 upgradedCardAlarm**

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 35-96 VersionConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 35-97 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TiMOS-B-3.0.Generic \') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

## 36 — Alcatel-Lucent OS9700E/9800E alarms

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 36-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

Table 36-2 ActiveAbnormalCondition

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

Table 36-3 AggregatedVFLPortDown

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

Table 36-4 AGWDiameterPeerDown

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 36-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 36-6 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 36-7 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

**Table 36-8 BootableConfigBackupFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 36-9 BootableConfigRestoreFailed**

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

**Table 36-10 BootParametersMisconfigured**

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>• persistentIndexFailure</li> <li>• configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified')))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

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Table 36-11 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 36-12 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 36-13 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 36-14 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 36-15 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 36-16 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 36-17 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 36-18 EquipmentDegraded**

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

**Table 36-19 EquipmentDown**

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

**Table 36-20 EquipmentFailure**

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 36-21 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 36-22 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 36-23 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true')))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

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Table 36-24 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

Table 36-25 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 36-26 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 36-27 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 36-28 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 36-29 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 36-30 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock')))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 36-31 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 36-32 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 36-33 FanFailure

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

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Table 36-34 FanTrayRemoved

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

Table 36-35 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0)))		
<b>Remedial action:</b> Informational		



Table 36-36 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 36-37 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 36-38 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggns Raised on class: Iteggns.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

**Table 36-39 IfVlanSubTypeConflict**

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

**Table 36-40 IgmpDown**

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

**Table 36-41 IgmpSnoopingDown**

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 36-42 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

Table 36-43 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface is not in operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue is resolved, the alarm will clear.		

Table 36-44 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

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**Table 36-45 KeepAliveProblem**

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

**Table 36-46 LabelProblem**

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 36-47 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 36-48 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 36-49 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

**Table 36-50 LdpSessionNonexistent**

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

**Table 36-51 LdpTargetedPeerDown**

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

**Table 36-52 LicensedLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 36-53 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 36-54 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 36-55 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

**Table 36-56 LpsViolation**

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

**Table 36-57 LspDown**

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: lspDown (19)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

**Table 36-58 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		



Table 36-59 macMoveRateExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

Table 36-60 macMoveRateExceededNonBlock (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 36-61 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

**Table 36-62 MobileConnectorDown**

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

**Table 36-63 MplsDown**

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

**Table 36-64 MvrSiteDown**

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 36-65 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 36-66 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')) AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band'))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 36-67 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 36-68 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 36-69 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 36-70 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 36-71 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) It is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 36-72 OspfInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspfInterfaceDown (141) Type: OspfInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspfInterfaceDown (112)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 36-73 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 36-74 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 36-75 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

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Table 36-76 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

Table 36-77 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 36-78 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 36-79 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 36-80 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 36-81 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR (('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

Table 36-82 PowerSupplyRemoved

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 36-83 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 36-84 RadiusOperStatusDown**

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

**Table 36-85 ReachabilityProblem**

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 36-86 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

Table 36-87 RedundantMepMisconfiguration

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

**Table 36-88 RedundantMepMissing**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

**Table 36-89 RemoteMepCCMAAlarm**

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

**Table 36-90 RipDown**

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 36-91 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 36-92 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 36-93 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

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**Table 36-94 SdpEgressIfsNetDomainInConsistent**

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

**Table 36-95 ServiceSiteDown**

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

**Table 36-96 SiteManagementVlanConflict**

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

**Table 36-97 SiteVlanSubTypeConflict**

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

**Table 36-98 StatsRetrieveFailed**

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

**Table 36-99 SubscriberSystemNextHopUsageHigh**

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

**Table 36-100 SubSysChassMemoryUsageHi**

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

**Table 36-101 TemperatureThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 36-102 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 36-103 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 36-104 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>trapDestinationMisconfigured</li> <li>duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 36-105 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.4.3</li> <li>6.4.4</li> <li>6.4.5</li> <li>6.4.6</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND (('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

**Table 36-106 TrapRoutePreferenceRedundancyMissing**

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

**Table 36-107 TunnelAdministrativelyDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

**Table 36-108 TunnelDown (svt)**

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

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**Table 36-109 UnidentifiedNode**

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

**Table 36-110 UnmanageFailed**

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 36-111 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 36-112 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 36-113 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 36-114 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 36-115 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>• ospf.ShamLink</li> <li>• ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 36-116 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.4.3</li> <li>• 6.4.4</li> <li>• 6.4.5</li> <li>• 6.4.6</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL "\"TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '\TIMOS-B-3.0.Generic \") AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 37-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 37-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 37-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 37-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 37-5 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

Table 37-6 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 37-7 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

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Table 37-8 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 37-9 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 37-10 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 37-11 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 37-12 ContainingEquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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Table 37-13 ContainingEquipmentOperationallyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

Table 37-14 CorruptImageFile

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

Table 37-15 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 37-16 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 37-17 EquipmentDegraded

Alarm	Attributes	Applicable major releases
Name: EquipmentDegraded (604) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: minor Implicitly cleared: true Default probable cause: singleFanFailure (450)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a single fan fails. The chassis attempts to continue operating within the normal temperature range using only the remaining fans.		
<b>Raising condition:</b> ('Device State' EQUAL 'MinorFailure')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'MinorFailure')		
<b>Remedial action:</b> The failed fan unit should be replaced.		

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Table 37-18 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 37-19 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 37-20 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 37-21 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 37-22 EquipmentRemoved

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

Table 37-23 EthernetPortConfiguredLoopback

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

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Table 37-24 EthernetPortDuplicateLane

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 37-25 EthernetPortHighBer

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 37-26 EthernetPortLocalFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 37-27 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 37-28 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 37-29 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 37-30 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> ((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 37-31 EthernetPortSignalFailure**

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Clearing condition:</b> NOT (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 37-32 FanFailure**

Alarm	Attributes	Applicable major releases
Name: FanFailure (624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: fanFailure (116)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the associated fan is not operationally Up.		
<b>Raising condition:</b> (('Device State' EQUAL 'Failed') OR ('Device State' EQUAL 'Unknown') OR ('Device State' EQUAL 'OutOfservice'))		
<b>Clearing condition:</b> ('Device State' EQUAL 'OK')		
<b>Remedial action:</b> Remove and reset the fan unit. If this does not resolve the problem replace the fan.		

**Table 37-33 FanTrayRemoved**

Alarm	Attributes	Applicable major releases
Name: FanTrayRemoved (569) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.FanTray	Severity: critical Implicitly cleared: true Default probable cause: FanTrayRemoved (438)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the deviceState attribute has a value of deviceNotEquipped.		
<b>Raising condition:</b> ('Device State' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Device State' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> Informational - a fan tray has been removed from the NE.		

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Table 37-34 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL 'OL'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL 'OL'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		

Table 37-35 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 37-36 IfVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: IfVlanSubTypeConflict (213) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.L2AccessInterface	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service is configured with the same VLAN ID. The alarm is raised against an L2 access interface.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Interface.		

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Table 37-37 IgmpDown

Alarm	Attributes	Applicable major releases
Name: IgmpDown (158) Type: ProtocolAlarm (1) Package: igmp Raised on class: igmp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IGMP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> While configured under VPRN, check if VPRN site is admin down, or if route distinguisher is not configured.		

Table 37-38 IgmpSnoopingDown

Alarm	Attributes	Applicable major releases
Name: IgmpSnoopingDown (161) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.Bridge	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when IGMP snooping is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('IGMP Snooping' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('IGMP Snooping' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable IGMP Snooping under the Bridge Instance.		

Table 37-39 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 37-40 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 37-41 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		



Table 37-42 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 37-43 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 37-44 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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**Table 37-45 LinkDown (equipment)**

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

**Table 37-46 LowTemperatureDetected**

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 37-47 LowTemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: LowTemperatureThresholdCrossed (1128) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a low-temperature threshold is crossed.		
<b>Raising condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('lowTemperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 37-48 LpsViolation

Alarm	Attributes	Applicable major releases
Name: LpsViolation (518) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: major Implicitly cleared: true Default probable cause: learnedPortSecurityViolation (393)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an LPS violation.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Security Violated')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Down')		
<b>Remedial action:</b> Port reset is required to return the port to normal operation.		

Table 37-49 macMoveRateExceeded (service)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 37-50 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

**Table 37-51 MepAISReceivedAlarm**

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

**Table 37-52 MobileConnectorDown**

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\\"')'		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\\"')'		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

Table 37-53 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

Table 37-54 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only'))) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only'))) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

Table 37-55 NewSsh2ServerKeyDetected

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

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**Table 37-56 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 37-57 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		

Table 37-58 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 37-59 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotMangedByAnyEms (1934)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM. Add an discovery rule in order to managed it.		

Table 37-60 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 37-61 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 37-62 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 37-63 PimDown

Alarm	Attributes	Applicable major releases
Name: PimDown (184) Type: ProtocolAlarm (1) Package: pim Raised on class: pim.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a PIM site is administratively Up but operationally Down. The alarm is cleared when the PIM site becomes operationally Up but administratively Down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This should never happen. Contact Alcatel-Lucent Customer Support for assistance.		

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Table 37-64 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 37-65 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

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Table 37-66 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 37-67 PowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyFailure (633) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: critical Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a power-supply tray reports a failure. When the alarm is raised during device discovery, a power-supply tray may be out of service. When the alarm is raised while the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> (('Power Supply 1 Status' EQUAL 'Not Equipped') OR ('Power Supply 1 Status' EQUAL 'Failed'))		
<b>Clearing condition:</b> (('Power Supply 1 Status' EQUAL 'OK'))		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 37-68 PowerSupplyInputFeedDown

Alarm	Attributes	Applicable major releases
Name: PowerSupplyInputFeedDown (5422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: powerSupplyInputFeedDown (2073)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is generated if any one of the input feeds for a given power supply is not supplying power.		
<b>Raising condition:</b> (('inputFeedStatus' EQUAL 'Input A Down') OR ('inputFeedStatus' EQUAL 'Input B Down') OR ('inputFeedStatus'allBits'Input A Down') AND ('inputFeedStatus'allBits'Input B Down'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('inputFeedStatus' EQUAL 'None')		
<b>Remedial action:</b> Restore all of the input feeds that are not supplying power.		

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**Table 37-69 PowerSupplyRemoved**

Alarm	Attributes	Applicable major releases
Name: PowerSupplyRemoved (542) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: major Implicitly cleared: true Default probable cause: PowerSupplyRemoved (415)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a chassis power supply is removed.		
<b>Raising condition:</b> ('Power Supply 1 Status' EQUAL 'Not Equipped')		
<b>Clearing condition:</b> ('Power Supply 1 Status' NOT EQUAL 'Not Equipped')		
<b>Remedial action:</b> To recover from this event, the customer is requested to add a new power supply to the system, or change a faulty power supply with a working one.		

**Table 37-70 PrimaryImageBootFailure**

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 37-71 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 37-72 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 37-73 ReconfigFailure

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Verify that the object is configured as expected.		

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**Table 37-74 RedundantMepMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		

**Table 37-75 RedundantMepMissing**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\'))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\')))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

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Table 37-76 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 37-77 RipDown

Alarm	Attributes	Applicable major releases
Name: RipDown (72) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a RIP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The RIP Site is down while it is administratively up. Please check the node e.g, IOM is not shutdown or installed.		

Table 37-78 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 37-79 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 37-80 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 37-81 SiteManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: SiteManagementVlanConflict (223) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the management VLAN ID is used for another type of service.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service Site is not used on any other type of VLAN Service Site.		

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Table 37-82 SiteVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SiteVlanSubTypeConflict (224) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a site.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that only one type of VLAN Service is configured with the VLAN ID used by this Site.		

Table 37-83 StatsRetrieveFailed

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

Table 37-84 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

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Table 37-85 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 37-86 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 37-87 TlsSiteDown

Alarm	Attributes	Applicable major releases
Name: TlsSiteDown (163) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.TlsSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('TLS Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('TLS Admin Status' EQUAL 'Enabled')		
<b>Remedial action:</b> To clear the alarm, enable TLS Admin Status under the Bridge Instance.		

Table 37-88 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 37-89 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

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Table 37-90 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 37-91 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>6.3.4</li> <li>6.4.2</li> <li>6.4.3</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 37-92 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 37-93 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 37-94 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 37-95 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 37-96 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

**Table 37-97 WrongCpaaSoftwareVersion**

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 6.3.4</li> <li>• 6.4.2</li> <li>• 6.4.3</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL 'TiMOS-B-3.0.Generic') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		

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**Note** — Some alarms that the 5620 SAM can raise against this device may not be listed in this chapter. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort. If the 5620 SAM raises an alarm against this device type, and the alarm is not described in this chapter, see chapter 39 for information about the alarm.

**Table 38-1 AccessInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: AccessInterfaceDown (249) Type: AccessInterfaceAlarm (32) Package: service Raised on class: service.AccessInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 or L3 interface operational state is Down. The alarm is not raised against an L2 access interface that is associated with an MC ring or MC LAG in the standby state.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For MC-Ring') AND ('State Cause' NOT EQUAL 'Standby For MC-Lag') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For MC-Ring') OR ('State Cause' EQUAL 'Standby For MC-Lag') OR ('State Cause' EQUAL 'Standby For BGP Multi-homing'))		
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

**Table 38-2 ActiveAbnormalCondition**

Alarm	Attributes	Applicable major releases
Name: ActiveAbnormalCondition (3938) Type: activeAbnormalConditionAlarm (116) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ActiveAbnormalConditionState (1520)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is an indication for abnormal condition on NE.		
<b>Raising condition:</b> ('abnormalCondition' EQUAL 'true')		
<b>Clearing condition:</b> ('abnormalCondition' EQUAL 'false')		
<b>Remedial action:</b> This alarm is raised when there is a abnormal state indication on NE.		

**Table 38-3 AggregatedVFLPortDown**

Alarm	Attributes	Applicable major releases
Name: AggregatedVFLPortDown (5436) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Shelf	Severity: critical Implicitly cleared: true Default probable cause: connectivityIssue (2137)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is generated when the aggregated virtual fabric link on the virtual chassis slot is down.		
<b>Raising condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Shelf Type' EQUAL '7850') AND ('Total Slots' EQUAL '4') AND ('Virtual Fabric Link State' EQUAL 'Up'))		
<b>Remedial action:</b> The alarm is raised when the aggregated virtual fabric link on the virtual chassis is down. Please check the virtual fabric links for the virtual chassis setup.		

**Table 38-4 AGWDiameterPeerDown**

Alarm	Attributes	Applicable major releases
Name: AGWDiameterPeerDown (844) Type: EpcAlarm (59) Package: lte Raised on class: lte.AGWDiameterPeer	Severity: variable Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Diameter peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Diameter Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Diameter Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		



Table 38-5 AreaTypeMismatch

Alarm	Attributes	Applicable major releases
Name: AreaTypeMismatch (38) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Area	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF area on one NE is configured as an NSSA and the same OSPF area on another NE is configured as a stub area.		
<b>Raising condition:</b> ('Type Mismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('Type Mismatch' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The OSPF area type configured for the NE does not match with the same OSPF area configured on another NE. Compare the configuration on the endpoint and correct the mismatch.		

Table 38-6 AsymmetricalConfig (lag)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: lag Raised on classes: <ul style="list-style-type: none"> <li>• lag.MultiChassisLag</li> <li>• lag.MultiChassisLagMember</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the members of an MC LAG do not have matching configurations.		
<b>Raising condition:</b> ('configMismatches' NOT EQUAL '0L')		
<b>Clearing condition:</b> ('configMismatches' EQUAL '0L')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

Table 38-7 AuxiliaryServerStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryServerStatus (311) Type: communicationsAlarm (4) Package: server Raised on class: server.AuxiliaryServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server cannot communicate with an auxiliary server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the AUX and SAM servers is unreliable.		

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Table 38-8 BgpDown

Alarm	Attributes	Applicable major releases
Name: BgpDown (6) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP instance has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP protocol entity is down - administratively disable BGP and re-enable. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-9 BootableConfigBackupFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigBackupFailed (103) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to back up a set of NE configuration files.		
<b>Raising condition:</b> ('Backup State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Backup State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: insufficient disk space is available to accommodate the NE configuration files (additional SAM platform alarms will accompany this alarm); the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 38-10 BootableConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: BootableConfigRestoreFailed (104) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM fails to restore a set of NE configuration files.		
<b>Raising condition:</b> ('Restore State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Restore State' EQUAL 'Success')		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: the NE is unreachable (including underlying transport network issue); loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 38-11 BootParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: BootParametersMisconfigured (35) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: persistentIndexFailure (30) Applicable probable causes: <ul style="list-style-type: none"> <li>persistentIndexFailure</li> <li>configFileBootFailure</li> </ul>	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SNMP Index Boot Status on an NE is not set to Persistent.		
<b>Raising condition:</b> (('isGenericNode' EQUAL 'false') AND ('State' NOT EQUAL 'Pre-provisioned') AND (((('Config File Status' NOT EQUAL 'Executed Successfully') AND ('Config File Status' NOT EQUAL 'configFileStatus_unspecified')) OR (('Persistent Index Status' NOT EQUAL 'Rebuild Succeeded') AND ('Persistent Index Status' NOT EQUAL 'persistentIndexStatus_unspecified'))))		
<b>Clearing condition:</b> (('Config File Status' EQUAL 'Executed Successfully') AND ('Persistent Index Status' EQUAL 'Rebuild Succeeded'))		
<b>Remedial action:</b> Ensure that "SNMP Index Boot Status" is persistent (using cli command "show system information" on the NE). If not, unmanage the network element from SAM, ensure that "persist on" is set in the bof file, save the bof, save a config file, verify that an index file (.ndx) is saved as well, reboot the router, verify that SNMP Index Boot Status is persistent and finally remanage the router from SAM.		

Table 38-12 CircuitStpExceptionCondition

Alarm	Attributes	Applicable major releases
Name: CircuitStpExceptionCondition (648) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.CircuitStp	Severity: major Implicitly cleared: true Default probable cause: StpException (228)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an NE detects an STP exception condition on a SAP, for example, one-way communication or a downstream loop. The alarm clears when the STP status changes.		
<b>Raising condition:</b> (('STP Exception Condition' NOT EQUAL 'None') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('STP Exception Condition' EQUAL 'None') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Check 'STP Exception Condition' field for more details and fix the STP exception.		

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Table 38-13 ClientDelegateServerStatus

Alarm	Attributes	Applicable major releases
Name: ClientDelegateServerStatus (731) Type: communicationsAlarm (4) Package: server Raised on class: server.ClientDelegateServer	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a client delegate server is unreachable.		
<b>Raising condition:</b> ('Server Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Server Status' EQUAL 'Up')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the connectivity between the client delegate platform and SAM servers is unreliable or the client delegate server itself is unreliable.		

Table 38-14 ContainingEquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentAdministrativelyDown (466) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: minor Implicitly cleared: true Default probable cause: containingEquipmentAdministrativelyDown (330)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentAdministrativelyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Admin Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Admin Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 38-15 ContainingEquipmentMismatch**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMismatch (464) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentMismatch (328)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMismatch.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Type Mismatch') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Type Mismatch') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

**Table 38-16 ContainingEquipmentOperationallyDown**

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentOperationallyDown (465) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: containingEquipmentDown (329)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentOperationallyDown.		
<b>Raising condition:</b> (('Status' EQUAL 'Parent Oper Down') AND ('isTerminatable' EQUAL 'true'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Oper Down') OR ('isTerminatable' NOT EQUAL 'true'))		
<b>Remedial action:</b> The operational state of the equipment element indicated in the alarm is down. This may be due to the element's administrative state or it may indicate that the element has failed.		

**Table 38-17 CorruptImageFile**

Alarm	Attributes	Applicable major releases
Name: CorruptImageFile (171) Type: configurationAlarm (11) Package: mediation Raised on class: mediation.AbstractSoftwareFolderDescriptor	Severity: critical Implicitly cleared: true Default probable cause: invalidOrCorruptImageFile (134)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when one or more files in the 5620 SAM software image specified for a device software upgrade is invalid, corrupt or absent. The 5620 SAM validates a device software file set before it imports the file set and distributes it to an NE. Ensure that the file set downloads properly to the NE and is not tampered with before you re-attempt the upgrade. The alarm clears when a valid file set is on the NE and the 5620 SAM activates the software image in the file set.		
<b>Raising condition:</b> ('isImageValid' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('isImageValid' EQUAL 'true')		
<b>Remedial action:</b> The existing SW image in the SAM database should be replaced with an image that is known to be complete and valid.		

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Table 38-18 CpmProtectionExceedEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedEntry (2925) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MAC packet stream has exceeded its per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

Table 38-19 CpmProtectionExceedSapIpEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionExceedSapIpEntry (3911) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtExcdSapIpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IP packet stream has exceeded the per-source limit.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 38-20 CpmProtectionViolationIfEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationIfEntry (2926) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolIfEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the interface is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 38-21 CpmProtectionViolationPortEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationPortEntry (2927) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolPortEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the port is violated.		
<b>Raising condition:</b> (('Number of Per-port Violations' NOT EQUAL '0L') OR ('Number of Link-specific Violations' NOT EQUAL '0L'))		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

**Table 38-22 CpmProtectionViolationSAPEntry**

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSAPEntry (2928) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSapEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the link-specific packet arrival rate limit at the SAP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be align with the traffic levels expected.		

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Table 38-23 CpmProtectionViolationSDPEntry

Alarm	Attributes	Applicable major releases
Name: CpmProtectionViolationSDPEntry (5415) Type: communications (87) Package: sitesec Raised on class: sitesec.CpmProtViolSdpEntry	Severity: warning Implicitly cleared: false Default probable cause: denialOfService (790)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the overall packet arrival rate limit at the SDP is violated.		
<b>Raising condition:</b> ('Number of Rate Violations' NOT EQUAL '0L')		
<b>Remedial action:</b> A device in the network is sending traffic to the NE at a rate which is higher than expected. The source of the traffic must be identified and if the behavior is undesired then the device should be disabled. It is also possible that the threshold has been configured at a level which is lower than acceptable in which case the configuration should be aligned with the traffic levels expected.		

Table 38-24 DDMAux1HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighAlarm (495) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1HighAlarm (381)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-25 DDMAux1HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1HighWarning (494) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1HighWarning (380)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 38-26 DDMAux1LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowAlarm (493) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux1LowAlarm (379)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-27 DDMAux1LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux1LowWarning (492) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux1LowWarning (378)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 1 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux1 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux1 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-28 DDMAux2HighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighAlarm (499) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2HighAlarm (385)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

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Table 38-29 DDMAux2HighWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2HighWarning (498) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2HighWarning (384)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-30 DDMAux2LowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowAlarm (497) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: aux2LowAlarm (383)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-31 DDMAux2LowWarning

Alarm	Attributes	Applicable major releases
Name: DDMAux2LowWarning (496) Type: communicationthresholdAlarmnsAlarm (50) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: aux2LowWarning (382)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the manufacturer-specific Auxiliary 2 of the XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Aux2 Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Aux2 Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-32 DDMRxOpticalPowerHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighAlarm (491) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerHighAlarm (377)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-33 DDMRxOpticalPowerHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerHighWarning (490) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerHighWarning (376)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-34 DDMRxOpticalPowerLowAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowAlarm (489) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: rxOpticalPowerLowAlarm (375)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP reaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-35 DDMRxOpticalPowerLowWarning**

Alarm	Attributes	Applicable major releases
Name: DDMRxOpticalPowerLowWarning (488) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: rxOpticalPowerLowWarning (374)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the received optical power of an SFP or XFP approaches the minimum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitRx Optical Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitRx Optical Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-36 DDMSupplyVoltageHighAlarm**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighAlarm (479) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageHighAlarm (365)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitSupply Voltage High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitSupply Voltage High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

**Table 38-37 DDMSupplyVoltageHighWarning**

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageHighWarning (478) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageHighWarning (364)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBitSupply Voltage High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBitSupply Voltage High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-38 DDMSupplyVoltageLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowAlarm (477) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: supplyVoltageLowAlarm (363)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-39 DDMSupplyVoltageLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMSupplyVoltageLowWarning (476) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: supplyVoltageLowWarning (362)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the supply voltage of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Supply Voltage Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Supply Voltage Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-40 DDMTemperatureHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighAlarm (475) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureHighAlarm (361)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

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Table 38-41 DDMTemperatureHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureHighWarning (474) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureHighWarning (360)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-42 DDMTemperatureLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowAlarm (473) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: temperatureLowAlarm (359)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-43 DDMTemperatureLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTemperatureLowWarning (472) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: temperatureLowWarning (358)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the temperature of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Temperature Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Temperature Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-44 DDMtxBiasCurrentHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentHighAlarm (483) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentHighAlarm (369)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-45 DDMtxBiasCurrentHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentHighWarning (482) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentHighWarning (368)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-46 DDMtxBiasCurrentLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMtxBiasCurrentLowAlarm (481) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txBiasCurrentLowAlarm (367)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

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Table 38-47 DDMTxBiasCurrentLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxBiasCurrentLowWarning (480) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txBiasCurrentLowWarning (366)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the transmit bias current of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Bias Current Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Bias Current Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-48 DDMTxOutputPowerHighAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighAlarm (487) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerHighAlarm (373)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-49 DDMTxOutputPowerHighWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerHighWarning (486) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerHighWarning (372)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power High Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power High Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		



Table 38-50 DDMTxOutputPowerLowAlarm

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowAlarm (485) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: major Implicitly cleared: true Default probable cause: txOutputPowerLowAlarm (371)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP reaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Alarm')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Alarm'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-51 DDMTxOutputPowerLowWarning

Alarm	Attributes	Applicable major releases
Name: DDMTxOutputPowerLowWarning (484) Type: thresholdAlarm (49) Package: equipment Raised on class: equipment.AbstractDDM	Severity: warning Implicitly cleared: true Default probable cause: txOutputPowerLowWarning (370)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the output power of an SFP or XFP approaches the maximum threshold value.		
<b>Raising condition:</b> ('failedThresholds'anyBit'Tx Output Power Low Warning')		
<b>Clearing condition:</b> NOT (('failedThresholds'anyBit'Tx Output Power Low Warning'))		
<b>Remedial action:</b> Informational. Check the environmental parameters of the transceiver and ensure that it is not faulty.		

Table 38-52 downgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: downgradedCardAlarm (256) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: downgradedCard (195)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IOM is not upgraded or reset after a device software upgrade of both CPMs. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Downgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 38-53 EfmOamAlarm

Alarm	Attributes	Applicable major releases
Name: EfmOamAlarm (4617) Type: equipmentAlarm (3) Package: ethernetEquipment Raised on class: ethernetEquipment.Dot3Oam	Severity: minor Implicitly cleared: true Default probable cause: EFMOperationalStateOutOfService (1886)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		
<b>Raising condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Clearing condition:</b> ('Ignore EFM State' EQUAL 'true')		
<b>Remedial action:</b> The alarm is raised when EFM Ignore status is Enabled, and Physical port Administrative State is Down.		

Table 38-54 EquipmentAdministrativelyDown

Alarm	Attributes	Applicable major releases
Name: EquipmentAdministrativelyDown (455) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: minor Implicitly cleared: true Default probable cause: equipmentAdministrativelyDown (326)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentAdministrativelyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Admin Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Admin Down')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 38-55 EquipmentDown

Alarm	Attributes	Applicable major releases
Name: EquipmentDown (10) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentOperationallyDown.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Oper Down')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Oper Down')		
<b>Remedial action:</b> This alarm indicates that a card in the NE has failed. The card must be replaced.		

Table 38-56 EquipmentFailure

Alarm	Attributes	Applicable major releases
Name: EquipmentFailure (145) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: cardFailure (123)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a control processor or power-supply tray reports a failure. When the object type is ControlProcessor, a CPM may be unable to boot. When the object type is Power Supply Tray and the alarm is raised during device discovery, a power-supply tray may be out of service. When the object type is a Power Supply Tray and the device is in the managed state, a power-supply tray may be out of service or the AC power shelf has a fault condition. The alarm clears when the status changes to OK.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Failed')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Failed')		
<b>Remedial action:</b> If the alarm indicates that the CPM card has a fault, remove the card and reset it. If this does not clear the alarm then please contact Alcatel-Lucent support for assistance. If the alarm indicates that the Power Supply tray is out of service ensure that the NE is properly connected to power. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-57 EquipmentInTest

Alarm	Attributes	Applicable major releases
Name: EquipmentInTest (11) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: warning Implicitly cleared: true Default probable cause: equipmentInTest (9)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when equipment enters a diagnostic state.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'In Test')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'In Test')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 38-58 EquipmentMismatch

Alarm	Attributes	Applicable major releases
Name: EquipmentMismatch (9) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: equipmentTypeMismatch (7)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMismatch.		
<b>Raising condition:</b> ('compositeEquipmentState' EQUAL 'Type Mismatch')		
<b>Clearing condition:</b> ('compositeEquipmentState' NOT EQUAL 'Type Mismatch')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

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**Table 38-59 EquipmentRemoved**

Alarm	Attributes	Applicable major releases
Name: EquipmentRemoved (8) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: replaceableEquipmentRemoved (6)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of equipmentMissing.		
<b>Raising condition:</b> (((('isEquipped' EQUAL 'false') OR ('compositeEquipmentState' EQUAL 'Removed')) AND ('isEquipmentInserted' EQUAL 'true'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Removed') AND ('isEquipped' EQUAL 'true'))		
<b>Remedial action:</b> Informational - this alarm is raised when a card is removed.		

**Table 38-60 EthernetPortConfiguredLoopback**

Alarm	Attributes	Applicable major releases
Name: EthernetPortConfiguredLoopback (801) Type: configurationAlarm (11) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ethernetPortConfiguredLoopback (567)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a timed loopback is in effect for an Ethernet port.		
<b>Raising condition:</b> (('Type' NOT EQUAL 'None'))		
<b>Clearing condition:</b> (('Type' EQUAL 'None'))		
<b>Remedial action:</b> This alarm has been raised by the node because "Timed Loopback" option of the specific port's Ethernet property has been enabled. To resolve this problem from "Ethernet" tab of "Physical Port" properties form configure "Timed Loopback" Type property as "None".		

**Table 38-61 EthernetPortDuplicateLane**

Alarm	Attributes	Applicable major releases
Name: EthernetPortDuplicateLane (3557) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: DuplicateLane (1387)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a Duplicate Lane on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Duplicate Lane') AND ('Report Alarms'anyBit'Duplicate Lane'))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

**Table 38-62 EthernetPortHighBer**

Alarm	Attributes	Applicable major releases
Name: EthernetPortHighBer (307) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a high bit-error rate on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'High Bit Error Rate') AND ('Report Alarms'anyBit'High Bit Error Rate'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

**Table 38-63 EthernetPortLocalFault**

Alarm	Attributes	Applicable major releases
Name: EthernetPortLocalFault (305) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: LocalFault (236)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a local fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Local Fault') AND ('Report Alarms'anyBit'Local Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 38-64 EthernetPortNoAmLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoAmLock (3558) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoAmLock (1388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Am Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No AM Lock') AND ('Report Alarms'anyBit'No AM Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 38-65 EthernetPortNoBlockLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoBlockLock (3559) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoBlockLock (1389)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a No Block Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Block Lock') AND ('Report Alarms'anyBit'No Block Lock'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 38-66 EthernetPortNoFrameLock

Alarm	Attributes	Applicable major releases
Name: EthernetPortNoFrameLock (306) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: NoFrameLock (237)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports No Frame Lock on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'No Frame Lock') AND ('Report Alarms'anyBit'No Frame Lock'))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 38-67 EthernetPortRemoteFault

Alarm	Attributes	Applicable major releases
Name: EthernetPortRemoteFault (304) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: RemoteFault (235)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a remote fault on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Remote Fault') AND ('Report Alarms'anyBit'Remote Fault'))		
<b>Remedial action:</b> One of the following conditions exists on the remote physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

Table 38-68 EthernetPortSignalFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortSignalFailure (303) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: SignalFailure (234)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a signal failure on an Ethernet port.		
<b>Raising condition:</b> (('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> NOT (((('Outstanding Alarms'anyBit'Signal Failure') AND ('Report Alarms'anyBit'Signal Failure'))))		
<b>Remedial action:</b> One of the following conditions exists on the physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault.		

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Table 38-69 ForwardingTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: ForwardingTableSizeLimitReached (164) Type: resourceAlarm (28) Package: I2fwd Raised on class: I2fwd.SiteFib	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MAC address entries in the FIB reaches or exceeds the VPLS site high watermark specified by I2fwd.SiteFib.highWatermark. The alarm clears when the number of MAC address entries in the FIB drops below the VPLS site low watermark specified by I2fwd.SiteFib.lowWatermark. The alarm can be raised against a VPLS site, L2 access interface, or spoke SDP binding.		
<b>Raising condition:</b> (('Entries' >= 'Size') OR ('Entries' >= (('High Watermark' * 'Size') / 100.0)))"		
<b>Clearing condition:</b> (('Entries' < 'Size') AND (('High Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))) AND (('Low Watermark' EQUAL '0L') OR ('Entries' < (('Low Watermark' * 'Size') / 100.0))))		
<b>Remedial action:</b> Informational		

Table 38-70 FrameSizeProblem (netw)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('mtuMismatch' EQUAL 'true') AND ('portId' NOT EQUAL '0L'))		
<b>Clearing condition:</b> (('mtuMismatch' EQUAL 'false') OR ('portId' EQUAL '0L'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MTU value must be changed such that is less than or equal to the supported MTU size value.		



Table 38-71 FrameSizeProblem (svt)

Alarm	Attributes	Applicable major releases
Name: FrameSizeProblem (37) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: frameSizeProblem (33)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a provisioned MTU size value is greater than the supported MTU size value.		
<b>Raising condition:</b> (('Operational State' EQUAL 'MTU Mismatch') OR ('Operational State' EQUAL 'Tunnel MTU Too Small'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'MTU Mismatch') AND ('Operational State' NOT EQUAL 'Tunnel MTU Too Small'))		
<b>Remedial action:</b> The MTU value must be changed such that is is less than or equal to the supported MTU size value.		

Table 38-72 GaPeerDown

Alarm	Attributes	Applicable major releases
Name: GaPeerDown (3303) Type: EpcAlarm (59) Package: Iteggsn Raised on class: Iteggsn.GaPeer	Severity: major Implicitly cleared: true Default probable cause: EPSPeerDown (602)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the path management state of a Ga peer changes to a state other than Up.		
<b>Raising condition:</b> ('Path Management State' NOT EQUAL 'Active')		
<b>Clearing condition:</b> ('Path Management State' EQUAL 'Active')		
<b>Remedial action:</b> A Ga reference point (peer) is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 38-73 IncompleteConfiguration

Alarm	Attributes	Applicable major releases
Name: IncompleteConfiguration (1942) Type: operationalViolation (93) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: incompleteConfig (225)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a pre-provisioned NE has no objects configured beneath it.		
<b>Raising condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' EQUAL '\'))		
<b>Clearing condition:</b> (('State' EQUAL 'Pre-provisioned') AND ('eNodeB Equipment' NOT EQUAL '\'))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration of the pre-provisioned NE is incomplete. A work order was not associated with the pre-provisioned NE and as a consequence the attempt to auto-configure the NE failed.		

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Table 38-74 InstanceDown (srrp)

Alarm	Attributes	Applicable major releases
Name: InstanceDown (284) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: instanceDown (216)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an SRRP instance is operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' EQUAL 'Initialize'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Initialize') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the configuration of the instance		

Table 38-75 InterfaceDown (netw)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: InterfaceAlarm (13) Package: netw Raised on class: netw.StatefullConnectableInterface	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an interface or underlying resource fails, as indicated by an interface compositeState attribute value of failed or underlyingResourceFailed.		
<b>Raising condition:</b> (('compositeState' EQUAL 'Inoperable') OR ('compositeState' EQUAL 'Underlying Resource Inoperable'))		
<b>Clearing condition:</b> (('compositeState' NOT EQUAL 'Inoperable') AND ('compositeState' NOT EQUAL 'Underlying Resource Inoperable'))		
<b>Remedial action:</b> A physical port (physical interface, LAG, channel) associated with the network interface in not operation. Ensure that the interface is cabled and that there is not a configuration error (i.e. MTU size set incorrectly) on the interface. Once the issue w		

Table 38-76 InterfaceDown (vppls)

Alarm	Attributes	Applicable major releases
Name: InterfaceDown (36) Type: configurationAlarm (11) Package: vppls Raised on class: vppls.L2ManagementInterface	Severity: major Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an L2 management interface has an Operational State of Down, and the associated VPLS site has an Administrative State of Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The condition exists because the physical interface is down either because it is administratively disabled, faulty or a cabling fault has occurred. Ensure that the interface is administratively up. Check for a poor cable connection to the port or for a faulty cable/fiber. If neither appears to be the problem run diagnostics on the port to determine if it is faulty.		

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Table 38-77 IsisAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: IsisAdjacencyDown (153) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L') AND ('interfaceClass' NOT EQUAL 'System') AND ('Passive' NOT EQUAL 'True'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L') OR ('Passive' EQUAL 'True'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

Table 38-78 IsisDown

Alarm	Attributes	Applicable major releases
Name: IsisDown (19) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an IS-IS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The protocol is not working anymore, could be a problem with IP addresses, resources on the device, ...		

Table 38-79 IsisInterfaceDown

Alarm	Attributes	Applicable major releases
Name: IsisInterfaceDown (301) Type: ProtocolAlarm (1) Package: isis Raised on class: isis.Interface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

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**Table 38-80 KeepAliveProblem**

Alarm	Attributes	Applicable major releases
Name: KeepAliveProblem (100) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: keepAliveFailed (86)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects a keep-alive protocol status of senderIdInvalid or responderIdError.		
<b>Raising condition:</b> (('Keep-Alive State' NOT EQUAL 'Disabled') AND ('Keep-Alive State' NOT EQUAL 'Alive') AND ('Keep-Alive State' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('Keep-Alive State' EQUAL 'Disabled') OR ('Keep-Alive State' EQUAL 'Alive') OR ('Keep-Alive State' EQUAL 'Unknown'))		
<b>Remedial action:</b> Check the configuration of this tunnel and underlying physical transport.		

**Table 38-81 LabelProblem**

Alarm	Attributes	Applicable major releases
Name: LabelProblem (98) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: labelProblem (84)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an ingress or an egress label is missing.		
<b>Raising condition:</b> (('Operational State' EQUAL 'No Egress Label') OR ('Operational State' EQUAL 'No Ingress Label') OR ('Operational State' EQUAL 'No Labels'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'No Egress Label') AND ('Operational State' NOT EQUAL 'No Ingress Label') AND ('Operational State' NOT EQUAL 'No Labels'))		
<b>Remedial action:</b> An ingress or egress label is missing for the SDP binding.		

Table 38-82 LagDown

Alarm	Attributes	Applicable major releases
Name: LagDown (20) Type: equipmentAlarm (3) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagDown (17)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in a LAG are operationally down.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 38-83 LagPortAddFailed

Alarm	Attributes	Applicable major releases
Name: LagPortAddFailed (422) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: true Default probable cause: linkDown (315)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Lag Port Add function Fails.		
<b>Raising condition:</b> (('state' EQUAL 'Link Down') AND ('LAG ID' > '0'))		
<b>Clearing condition:</b> (('state' NOT EQUAL 'Link Down') OR ('LAG ID' EQUAL '0'))		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The link that was to be added to the LAG group may be of the wrong type (i.e. non ethernet) or the limit of the number of links supported in a LAG may have been reached.		

Table 38-84 LdpDown

Alarm	Attributes	Applicable major releases
Name: LdpDown (22) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational state down reason and update accordingly.		

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Table 38-85 LdpSessionNonexistent

Alarm	Attributes	Applicable major releases
Name: LdpSessionNonexistent (2954) Type: LdpSessionAlarm (101) Package: ldp Raised on class: ldp.Session	Severity: critical Implicitly cleared: true Default probable cause: LdpSessionDown (1149)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP session is non-existent.		
<b>Raising condition:</b> ('Session State' EQUAL 'Non-existent')		
<b>Clearing condition:</b> ('Session State' EQUAL 'Operational')		
<b>Remedial action:</b> Please check the LDP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 38-86 LdpTargetedPeerDown

Alarm	Attributes	Applicable major releases
Name: LdpTargetedPeerDown (23) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.TargetedPeer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LDP targeted peer is operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Please check the route to LDP targeted peer to make sure all associated protocols/interfaces/connections are OK.		

Table 38-87 LicensedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedLimitExceeded (127) Type: licensingAlarm (23) Package: security Raised on class: security.ProductLicense	Severity: critical Implicitly cleared: true Default probable cause: licensedLimitExceeded (106)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the license items in the network exceeds 100 percent of the license capacity.		
<b>Raising condition:</b> ('Exceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('Exceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of SAM licenses purchased and available on the SAM server is insufficient as compared to the number of NEs/MDA/Cells under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 38-88 LinkDown (equipment)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: major Implicitly cleared: true Default probable cause: portLinkProblem (10)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a port has no associated physical link or remote end point is operationally down.		
<b>Raising condition:</b> (('compositeEquipmentState' EQUAL 'Link Down') OR ('compositeEquipmentState' EQUAL 'Oper Down'))		
<b>Clearing condition:</b> (('compositeEquipmentState' NOT EQUAL 'Link Down') AND ('compositeEquipmentState' NOT EQUAL 'Oper Down'))		
<b>Remedial action:</b> Please make sure that port has physical link and remote end point is operationally up.		

Table 38-89 LocalRncvOperDown

Alarm	Attributes	Applicable major releases
Name: LocalRncvOperDown (521) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: localRncvDisconnected (396)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the local RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Local Operational State' NOT EQUAL 'Connected') AND ('Local Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Local Operational State' EQUAL 'Connected') OR ('Local Operational State' EQUAL 'Not Tested'))		
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

Table 38-90 LowTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: LowTemperatureDetected (1127) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOvercooled (838)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature falls below the minimum threshold.		
<b>Raising condition:</b> ('Low Temperature State' EQUAL 'Low')		
<b>Clearing condition:</b> ('Low Temperature State' NOT EQUAL 'Low')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally low. This may happen when the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 38-91 LspDown

Alarm	Attributes	Applicable major releases
Name: LspDown (25) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Lsp	Severity: critical Implicitly cleared: true Default probable cause: LspDown (19)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Operational State of an LSP is Down, but the Administrative State is Up.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> So many things can cause LSP down, check if source and destination interfaces are down, LSP path is down and the failure code, or MPLS path is down...		

Table 38-92 LspPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: LspPathBypassTunnelActive (264) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: warning Implicitly cleared: true Default probable cause: LspPathReroutedToBypassTunnel (197)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP primary path is rerouted to the bypass tunnel. The alarm clears when the primary path returns to the original tunnel and the actual hop returns to the primary path.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> There is a problem with the original path, check what is the problem and fix it if possible.		

Table 38-93 LspPathDown

Alarm	Attributes	Applicable major releases
Name: LspPathDown (26) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: LspPathDown (20)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an LSP path is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up') AND ('Type' EQUAL 'Standby'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up') OR ('Type' EQUAL 'Secondary'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		



**Table 38-94 macMoveRateExceeded (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational.		

**Table 38-95 macMoveRateExceeded (svt)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceeded (3690) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: MacMoveRateExceeded (1429)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Check Service Site MAC move frequency or underlying physical link to understand issue.		

**Table 38-96 macMoveRateExceededNonBlock (service)**

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: accessInterfaceAlarm (40) Package: service Raised on class: service.AccessInterface	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SAP exceeds the MAC Move Frequency of the service site when limitMacMove(sapTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('State Cause'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('State Cause'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

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Table 38-97 macMoveRateExceededNonBlock (svt)

Alarm	Attributes	Applicable major releases
Name: macMoveRateExceededNonBlock (4893) Type: SpokeSdpBindingAlarm (104) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: info Implicitly cleared: true Default probable cause: MacMoveRateExceededNonBlock (1951)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP exceeds the Service Site's MAC Move Frequency even when limitMacMove(sdpBindTIsLimitMacMove) is set to 'nonBlocking'.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Relearn Limit Exceeded')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Relearn Limit Exceeded'))		
<b>Remedial action:</b> Informational - User can adjust the value of 'MAC Move Maximum Rate' to reduce the frequency of this alarm.		

Table 38-98 MCLagDown (lag)

Alarm	Attributes	Applicable major releases
Name: MCLagDown (394) Type: equipmentAlarm (3) Package: lag Raised on class: lag.MultiChassisLagSpecifics	Severity: critical Implicitly cleared: true Default probable cause: mCLagDown (295)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all ports in an MC LAG are operationally down.		
<b>Raising condition:</b> (('administrativeState' EQUAL 'Up') AND ('operationalState' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('operationalState' EQUAL 'Up') OR ('administrativeState' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that all physical Ethernet links associated with a LAG are operationally down. The reasons for the links to be down may vary from link to link. The following possible causes of this alarm should be investigated. The physical port (near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 38-99 MepAISReceivedAlarm

Alarm	Attributes	Applicable major releases
Name: MepAISReceivedAlarm (2945) Type: oamAlarm (18) Package: ethernetOam Raised on class: ethernetOam.Mep	Severity: variable Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP receives AIS test frames from one or more of its sub-layer MEPs.		
<b>Raising condition:</b> (('AIS Received (AisRx)' EQUAL 'true') AND ('Facility VLAN ID' EQUAL '0'))		
<b>Clearing condition:</b> ('AIS Received (AisRx)' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm indicates that it has received a MEP fault from a sub-layer MEP, user should investigate the fault cause on the sub-layer MEP and resolve this root cause issue.		

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Table 38-100 MissingLocalEntry

Alarm	Attributes	Applicable major releases
Name: MissingLocalEntry (291) Type: configurationAlarm (11) Package: I2fwd Raised on class: I2fwd.ServiceMacProtection	Severity: minor Implicitly cleared: true Default probable cause: Protected_Mac_Address_Not_Global (222)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a protected MAC address is not configured on all sites of a VPLS. This can occur if the protected MAC address is added or removed using a CLI.		
<b>Raising condition:</b> ('isEntryGlobal' EQUAL 'false')		
<b>Clearing condition:</b> ('isEntryGlobal' EQUAL 'true')		
<b>Remedial action:</b> Configure the 'Protected MAC Address' on all the VPLS sites.		

Table 38-101 MobileConnectorDown

Alarm	Attributes	Applicable major releases
Name: MobileConnectorDown (1064) Type: EpcAlarm (59) Package: Iteservice Raised on class: Iteservice.MobileServiceConnector	Severity: minor Implicitly cleared: true Default probable cause: EpcDown (519)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM no longer manages the EPS path instance of this mobile service site. As a result, the service must be regenerated.		
<b>Raising condition:</b> ('EPS Path' EQUAL '\')		
<b>Clearing condition:</b> ('EPS Path' NOT EQUAL '\')		
<b>Remedial action:</b> The underlying transport network has gone down resulting in the deletion of a mobile service connector (EPS path). Correct the issue with the transport network and regenerate the mobile service connector by clicking on the re-calculate button on the mobile service properties form.		

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Table 38-102 MplsDown

Alarm	Attributes	Applicable major releases
Name: MplsDown (27) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS site has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check operational down reason and update accordingly.		

Table 38-103 MplsPathUpdateFailed

Alarm	Attributes	Applicable major releases
Name: MplsPathUpdateFailed (1066) Type: pathAlarm (12) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: mbbRetryExceeded (804) Applicable probable causes: <ul style="list-style-type: none"> <li>• mbbRetryExceeded</li> <li>• lspPathGoingDown</li> <li>• startingHighPriMbb</li> <li>• restartingMbb</li> <li>• highPriMbbInProg</li> </ul>	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path update fails because of an MBB problem. The alarm clears when the MBB status changes to Successful.		
<b>Raising condition:</b> (('mbbStatus' NOT EQUAL 'None') AND ('mbbStatus' NOT EQUAL 'Successful'))		
<b>Clearing condition:</b> (('Last Performed State' EQUAL 'Success') OR ('Administrative' EQUAL 'Down') OR (('Operational' EQUAL 'Up') AND ('Last Performed State' EQUAL 'None')))		
<b>Remedial action:</b> Based on the probable cause, change the parameters and update the path again.		

Table 38-104 MrpAttrTblSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MrpAttrTblSizeLimitReached (574) Type: resourceAlarm (28) Package: l2fwd Raised on class: l2fwd.SiteMrp	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the number of MRP attribute table entries for a service site exceeds the high watermark specified by l2fwd.SiteMrp.mrpAttrTblHighWatermark. The alarm clears when the number of MRP attribute table entries for the site drops below the low watermark specified by l2fwd.SiteMrp.mrpAttrTblLowWatermark.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('MRP Attribute Count' >= 'MRP Max Attributes') OR ('MRP Attribute Count' >= (('MRP Attribute-Table-High-Watermark' * 'MRP Max Attributes') / 100.0)))"		
<b>Clearing condition:</b> (('MRP Attribute Count' < 'MRP Max Attributes') AND (('MRP Attribute-Table-High-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))) AND (('MRP Attribute-Table-Low-Watermark' EQUAL '0') OR ('MRP Attribute Count' < (('MRP Attribute-Table-Low-Watermark' * 'MRP Max Attributes') / 100.0))))"		
<b>Remedial action:</b> Informational		

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Table 38-105 MsPwFecRetryExpired

Alarm	Attributes	Applicable major releases
Name: MsPwFecRetryExpired (3694) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: minor Implicitly cleared: true Default probable cause: msPwFecRetryExpired (1433)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a trap is received because of retry expired. The alarm is cleared when the retry starts again.		
<b>Raising condition:</b> ('Retry Expired' EQUAL 'true')		
<b>Clearing condition:</b> ('Retry Expired' EQUAL 'false')		
<b>Remedial action:</b> May need to shutdown the multi-segment pseudo-wire provider edge to restart the retries.		

Table 38-106 MultiChassisRingDown

Alarm	Attributes	Applicable major releases
Name: MultiChassisRingDown (520) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: ringDown (395)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MC ring group Operational State is not in the Connected state. The alarm is cleared when the ring group enters the Connected state.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Connected')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Connected')		
<b>Remedial action:</b> Check if MC ring is admin down, MC Sync is operational up, In-Band Control Connection is up, ring node is up ...		

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Table 38-107 MvrConfiguredFromVplsNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredFromVplsNotExist (219) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredFromVplsNotExist (164)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MVR source is an MVR VPLS that does not exist. The alarm clears when the MVR VPLS is created.		
<b>Raising condition:</b> ('fromVplsExists' EQUAL 'false')		
<b>Clearing condition:</b> (('fromVplsExists' EQUAL 'true') OR ('fromVplsId' EQUAL '0L'))		
<b>Remedial action:</b> Create the missing MVR VPLS.		

Table 38-108 MvrConfiguredProxySapNotExist

Alarm	Attributes	Applicable major releases
Name: MvrConfiguredProxySapNotExist (220) Type: configurationAlarm (11) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.L2AccessInterfaceMldMvrCfg</li> <li>vpls.L2AccessInterfaceMvrCfg</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: MvrConfiguredProxySapNotExist (165)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configured MVR proxy SAP does not exist. The alarm clears when the proxy SAP is created.		
<b>Raising condition:</b> ('proxySapExists' EQUAL 'false')		
<b>Clearing condition:</b> ('proxySapExists' EQUAL 'true')		
<b>Remedial action:</b> Create the missing proxy SAP.		

Table 38-109 MvrSiteDown

Alarm	Attributes	Applicable major releases
Name: MvrSiteDown (162) Type: ProtocolAlarm (1) Package: layer2 Raised on class: layer2.MvrSite	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when MVR is disabled on an NE and a TLS VLAN or MVR VLAN service is provisioned on the NE.		
<b>Raising condition:</b> ('MVR Admin Status' EQUAL 'Disabled')		
<b>Clearing condition:</b> ('MVR Admin Status' EQUAL 'Enabled')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> To clear the alarm, enable MVR Admin Status under the Bridge Instance.		

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Table 38-110 NeighborDown

Alarm	Attributes	Applicable major releases
Name: NeighborDown (121) Type: NeighborDown (20) Package: ospf Raised on class: ospf.AbstractNeighbor	Severity: major Implicitly cleared: true Default probable cause: NeighborDown (103)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface neighbor is operationally Down.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'full')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'full')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface neighbor is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 38-111 NeManagementAndTrapManagementMismatch

Alarm	Attributes	Applicable major releases
Name: NeManagementAndTrapManagementMismatch (1079) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: neManagementChange (817)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE configuration is one of the following: - The Active Management IP is set to Out Of Band, and the Primary Route Preference is set to In Band. - The Active Management IP is set to In Band, and the Primary Route Preference is set to Out of Band.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'Out Of Band')))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND (('Management IP Selection' EQUAL 'In Band Preferred') OR ('Management IP Selection' EQUAL 'In Band Only')) AND ('Primary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND (('Management IP Selection' EQUAL 'Out Of Band Preferred') OR ('Management IP Selection' EQUAL 'Out Of Band Only')) AND ('Primary Route Preference' EQUAL 'Out Of Band')))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The parameters described in the description for this alarm must match.		

**Table 38-112 NewSsh2ServerKeyDetected**

Alarm	Attributes	Applicable major releases
Name: NewSsh2ServerKeyDetected (285) Type: communicationsAlarm (4) Package: security Raised on class: security.KnownHostKey	Severity: warning Implicitly cleared: true Default probable cause: ssh2ServerKeyMismatch (217)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a 5620 SAM main server detects a new public SSH key.		
<b>Raising condition:</b> ('SSH2 Server Key Status' EQUAL 'Mismatch SSH2 Host Key')		
<b>Clearing condition:</b> ('SSH2 Server Key Status' EQUAL 'Active SSH2 Host Key')		
<b>Remedial action:</b> Informational - possible security breach. The SSH key of the router is different from the one known to the SAM server.		

**Table 38-113 NodeDatabaseFallbackDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseFallbackDetected (2923) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseFallback (1121)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration fallback is detected on the node and comes back up with a previous configuration. To correct this situation it might be necessary to reconfigure the node, or perform full resync its database with the 'fallback' configuration returned by the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Fallback')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE has come back to a previous configuration. Perform a manual Full Resync or a Reconfigure of the NE		

**Table 38-114 NodeDatabaseMisalignmentDetected**

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseMisalignmentDetected (2924) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: nodeDatabaseMisalignment (1122)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a configuration misalignment has been detected on the node and comes back up with an unexpected configuration (configuration change triggered by external tool) To correct this situation it might be necessary to reconfigure the node with the 5620 SAM's old configuration or accept the new configuration received from the node.		
<b>Raising condition:</b> ('State' EQUAL 'Node Configuration Misalignment')		
<b>Clearing condition:</b> ('State' EQUAL 'Managed')		
<b>Remedial action:</b> the NE configuration is misaligned. Perform a resync in order to update SAM configuration according to the NE.		



Table 38-115 NodeSuspended

Alarm	Attributes	Applicable major releases
Name: NodeSuspended (5123) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: NodeSuspend (2057)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects an NE moved to suspend state as per user request.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Suspended')		
<b>Clearing condition:</b> ('SNMP Reachability' NOT EQUAL 'Suspended')		
<b>Remedial action:</b> This alarm is raised when user suspends the network element. The alarm will be cleared when the network element is managed back.		

Table 38-116 NoPeerMcRingFound

Alarm	Attributes	Applicable major releases
Name: NoPeerMcRingFound (782) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisRing	Severity: major Implicitly cleared: true Default probable cause: IncompleteConfig (557)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the peer MC ring.		
<b>Raising condition:</b> ('Peer Multi-Chassis Ring' EQUAL '\')		
<b>Clearing condition:</b> ('Peer Multi-Chassis Ring' NOT EQUAL '\')		
<b>Remedial action:</b> Configure the missing peered MC ring, or delete this one if it is not used.		

Table 38-117 NTPOperDown

Alarm	Attributes	Applicable major releases
Name: NTPOperDown (4879) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: true Default probable cause: NTPOperDown (1943)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is generated when the NTP Operational State is down for NTP.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('NTP State' EQUAL 'Enabled'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('NTP State' EQUAL 'Disabled'))		
<b>Remedial action:</b> Please check if NTP is administratively enabled (Admin State in NTP General Tab). If admin state down, enable it to make NTP operationally up.		

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Table 38-118 OrphanNodeDetected

Alarm	Attributes	Applicable major releases
Name: OrphanNodeDetected (4866) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.AdvertisedNode	Severity: major Implicitly cleared: true Default probable cause: nodeNotManagedByAnyEms (1934)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when node is node managed by any EMS after n retries( threshold crossed) it is manually cleared by the operator or when the node is discovered.		
<b>Raising condition:</b> ('State' EQUAL 'Orphan')		
<b>Remedial action:</b> The NE is not managed by any SAM.Add an discovery rule in order to managed it.		

Table 38-119 OspflInterfaceDown

Alarm	Attributes	Applicable major releases
Name: OspflInterfaceDown (141) Type: OspflInterfaceDown (24) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: true Default probable cause: OspflInterfaceDown (112)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an OSPF interface is operationally down.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF interface is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 38-120 OverTemperatureDetected

Alarm	Attributes	Applicable major releases
Name: OverTemperatureDetected (388) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the chassis temperature exceeds the maximum threshold value.		
<b>Raising condition:</b> ('Over Temperature State' EQUAL 'Over')		
<b>Clearing condition:</b> ('Over Temperature State' NOT EQUAL 'Over')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 38-121 P2MPLSPDown

Alarm	Attributes	Applicable major releases
Name: P2MPLSPDown (4378) Type: pathAlarm (12) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: critical Implicitly cleared: true Default probable cause: P2MPLSPDown (1563)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the P2MP LSP Administrative State is Up and the Operational State is Down. The alarm clears when the P2MP LSP Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The operational state of the P2MP LSP is down, despite the administrative state being up. Review the P2MP Primary Instance or S2LPath to make sure it was configured correctly and Administrative state is up. The physical port near end or far end may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 38-122 PartialResyncProblem

Alarm	Attributes	Applicable major releases
Name: PartialResyncProblem (4401) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: partialResyncProblem (1578)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a partial resync on an NE fails. For example, when resyncing only some MIB entries as opposed to a full resync. The periodic reachability test (sysUpTime) is not considered a partial resync, neither is a full resync. However, a PartialResyncProblem alarm can only be reset by a FullResync.		
<b>Raising condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Failed')		
<b>Clearing condition:</b> ('partialResyncStatus' EQUAL 'Partial Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE.		

Table 38-123 PeerConnectionDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerConnectionDown (2) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: connectionDown (2)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has a Connection State other than Established, and the Administrative State of the BGP peer is Up.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Connection State' NOT EQUAL 'Established') AND ('Administrative State' EQUAL 'Up'))		
<b>Clearing condition:</b> (('Connection State' EQUAL 'Established') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> A mismatch in configuration may have occurred. Check the configuration of both peers to rule out a mismatched configuration.		

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Table 38-124 PeerDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerDown (1) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer entity is down - administratively disable the BGP peer and re-enable it. If toggling the administrative state does not solve the problem check that the physical interface and network connection to the far end peer are up and operational. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-125 PeerGroupDown (bgp)

Alarm	Attributes	Applicable major releases
Name: PeerGroupDown (5) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.PeerGroup	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a BGP peer group has an Operational State other than Up, and the Administrative State is Up.		
<b>Raising condition:</b> (('Administrative State' EQUAL 'Up') AND ('Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('Administrative State' NOT EQUAL 'Up'))		
<b>Remedial action:</b> The BGP peer group is down - administratively disable the BGP peer group and re-enable it. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-126 PeerLacIngressEgressFault

Alarm	Attributes	Applicable major releases
Name: PeerLacIngressEgressFault (2929) Type: PeerLacAlarm (98) Package: svt Raised on class: svt.SpokeSdpBinding	Severity: minor Implicitly cleared: true Default probable cause: peerPWStatusBitsChanged (1123)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the Peer Status is Peer LAC Rx Fault and Peer LAC Tx Fault		
<b>Raising condition:</b> (('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))		
<b>Clearing condition:</b> NOT (((('Peer State Cause'anyBit'Peer LAC Tx Fault') AND ('Peer State Cause'anyBit'Peer LAC Rx Fault'))))		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 38-127 PersistentIndexParametersMisconfigured

Alarm	Attributes	Applicable major releases
Name: PersistentIndexParametersMisconfigured (173) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: persistentIndexConfigurationMismatch (136)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when persistence is set to Off in the NE BOF.		
<b>Raising condition:</b> (('Persistent SNMP Indices' EQUAL 'False') OR (('hasRedundantProcessorCards' EQUAL 'true') AND ('Redundant Synchronization Mode' EQUAL 'None')))		
<b>Clearing condition:</b> (('Persistent SNMP Indices' EQUAL 'True') AND (('hasRedundantProcessorCards' EQUAL 'false') OR ('Redundant Synchronization Mode' NOT EQUAL 'None')))		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Use the CLI on the NE to enable persistency in the BOF. The discovery process will complete on the next discovery scan. A re-scan can be triggered immediately for the NE from within the discovery manager		

Table 38-128 PollerProblem

Alarm	Attributes	Applicable major releases
Name: PollerProblem (31) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resyncFailed (24)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> ('Resync Status' EQUAL 'Full Resync Failed')		
<b>Clearing condition:</b> ('Resync Status' EQUAL 'Full Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 38-129 PortEtherSymMonSDAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSDAlarm (5662) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSDThresholdExceededAlarm (2439)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Degradation Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SD Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SD Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal degradation alarm could be cleared by changing/disabling the associated threshold/multiplier values or it is self clearing and will clear once the error rate drops below 1/10th of the configured rate.		

Table 38-130 PortEtherSymMonSFAlarm

Alarm	Attributes	Applicable major releases
Name: PortEtherSymMonSFAlarm (5663) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: etherPortSymMonSFThresholdExceededAlarm (2440)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Ethernet port Symbol Monitor Failure alarm condition is detected (Signal Failure Threshold exceeded).		
<b>Raising condition:</b> ('Symbol Alarm Reason' EQUAL 'SF Threshold Exceeded')		
<b>Clearing condition:</b> ('Symbol Alarm Reason' NOT EQUAL 'SF Threshold Exceeded')		
<b>Remedial action:</b> Symbol monitor signal failure alarm could be cleared by changing/disabling the associated threshold/multiplier values or by taking the port out of service (eg. shutdown, card/mda reset, physical link loss).		

Table 38-131 PrimaryImageBootFailure

Alarm	Attributes	Applicable major releases
Name: PrimaryImageBootFailure (191) Type: configurationAlarm (11) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: bootOptionFileMisconfigured (150)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the primary software image specified in an NE BOF is unusable.		
<b>Raising condition:</b> (('imageSource' NOT EQUAL 'Primary') AND ('imageSource' NOT EQUAL 'Unknown'))		
<b>Clearing condition:</b> (('imageSource' EQUAL 'Primary') OR ('imageSource' EQUAL 'Unknown'))		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 38-132 RadiusOperStatusDown

Alarm	Attributes	Applicable major releases
Name: RadiusOperStatusDown (3692) Type: radiusOperStatusDownAlarm (105) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: radiusOperationStatusDown (1431)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all RADIUS servers have gone down.		
<b>Raising condition:</b> ('Global RADIUS Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Global RADIUS Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Verify the RADIUS server is properly configured and radius server state is up. Check the connectivity between SAM server and radius server configured on the Network element.		

Table 38-133 ReachabilityProblem

Alarm	Attributes	Applicable major releases
Name: ReachabilityProblem (243) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: ReachabilityTestFailed (176)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a mediation poll of the SysUpTimeAlarm object on an NE fails, for example, because of network congestion or because the NE is too busy to respond. The probable cause is an unreachable NE Mediation agent on the NE. The polling interval depends on the NE type and is configurable in nms-server.xml. By default, the 5620 SAM polls a managed NE every four minutes. If a poll fails, the alarm is raised. The alarm clears when the 5620 SAM receives a response from the NE, and the 5620 SAM GUI icon that represents the NE turns from red to green.		
<b>Raising condition:</b> ('SNMP Reachability' EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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**Table 38-134 ReconfigFailure**

Alarm	Attributes	Applicable major releases
Name: ReconfigFailure (1949) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: failedReconfig (937)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This alarm is raised when the reconfig action failed.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> Verify that the object is configured as expected.		

**Table 38-135 RedundantMepMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: RedundantMepMisconfiguration (3631) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: misconfiguredRedundantMep (1416)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an Active and Redundant MEP do not have the same ID, Operational MAC Address or Sub Group configured.		
<b>Raising condition:</b> ('validRedundantMepConfig' EQUAL 'false')		
<b>Clearing condition:</b> ('validRedundantMepConfig' EQUAL 'true')		
<b>Remedial action:</b> MC-LAG redundant MEP configuration (MEP ID or Mac Address) for Active & Standby Interfaces do not match, this could cause issues with CFM or CCM tests if Active interface changes. Delete and Re-create Standby MEP to match Active.		



Table 38-136 RedundantMepMissing

Alarm	Attributes	Applicable major releases
Name: RedundantMepMissing (3632) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: missingRedundantMep (1417)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP misses a redundant counterpart on LAG or SAP.		
<b>Raising condition:</b> (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' EQUAL '\\""))		
<b>Clearing condition:</b> (('MC-LAG Inactive' EQUAL 'Not Applicable') OR (('MC-LAG Inactive' NOT EQUAL 'Not Applicable') AND ('Redundant MEP' NOT EQUAL '\\""))		
<b>Remedial action:</b> MC-LAG redundant MEP is missing Active & Standby Interfaces, this will cause issues with CFM or CCM tests if Active interface changes. Create missing Active/Standby MEP to match existing.		

Table 38-137 RemoteMepCCMAAlarm

Alarm	Attributes	Applicable major releases
Name: RemoteMepCCMAAlarm (502) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: major Implicitly cleared: true Default probable cause: missingRemoteMep (388)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a MEP loses connectivity with one or more remote MEPs. The Remote MEP DB State tab on a MEP lists the missing remote MEPs.		
<b>Raising condition:</b> ('High-Priority Defect' NOT EQUAL '0')		
<b>Clearing condition:</b> ('High-Priority Defect' EQUAL '0')		
<b>Remedial action:</b> MEP has lost communication with Remote MEP defined in Maintenance Association (MEG) Remote MEP list, Either Remote MEP list is incorrect or diagnose connection fault and resolve.		

Table 38-138 RemoteRncvOperDown

Alarm	Attributes	Applicable major releases
Name: RemoteRncvOperDown (522) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisRingNode	Severity: major Implicitly cleared: true Default probable cause: remoteRncvDisconnected (397)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the remote RNCV Operational State of a ring node is other than Connected or NotTested, which means that the ring node is not connected to the local MC ring group. The alarm clears when the ring node enters the Connected or NotTested state.		
<b>Raising condition:</b> (('Remote Operational State' NOT EQUAL 'Connected') AND ('Remote Operational State' NOT EQUAL 'Not Tested'))		
<b>Clearing condition:</b> (('Remote Operational State' EQUAL 'Connected') OR ('Remote Operational State' EQUAL 'Not Tested'))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Make sure that ring node is properly connected to MC ring group.		

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Table 38-139 RouteDistinguisherNotConfigured

Alarm	Attributes	Applicable major releases
Name: RouteDistinguisherNotConfigured (142) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: routeDistinguisherNotConfigured (113)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when no RD is configured for an L3 service site.		
<b>Raising condition:</b> ('routeDistinguisher' EQUAL "\00 00 00 00 00 00 00")		
<b>Clearing condition:</b> ('routeDistinguisher' NOT EQUAL "\00 00 00 00 00 00 00")		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The RD must be configured on the L3 Service Site in question.		

Table 38-140 S2LPathBypassTunnelActive

Alarm	Attributes	Applicable major releases
Name: S2LPathBypassTunnelActive (777) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: warning Implicitly cleared: true Default probable cause: S2LPathReroutedToBypassTunnel (552)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the bypass tunnel in an S2L path becomes active. The alarm clears when the bypass tunnel is no longer active, for example, because a primary tunnel failure is resolved or a new path is established.		
<b>Raising condition:</b> ('Bypass Tunnel Active' EQUAL 'true')		
<b>Clearing condition:</b> ('Bypass Tunnel Active' EQUAL 'false')		
<b>Remedial action:</b> Check what caused primary tunnel is down and fix it if possible.		

Table 38-141 S2LPathDown

Alarm	Attributes	Applicable major releases
Name: S2LPathDown (778) Type: pathAlarm (12) Package: mpls Raised on class: mpls.S2LPath	Severity: major Implicitly cleared: true Default probable cause: S2LPathDown (553)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the S2L path Administrative State is Up and the Operational State is not Up. The alarm clears when the S2L path Operational State changes to Up or the Administrative State changes to Down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the failure code and update accordingly, e.g. whether MPLS/RSVP interfaces, OSPF interfaces are down.		

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Table 38-142 SaveConfigFailed

Alarm	Attributes	Applicable major releases
Name: SaveConfigFailed (105) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: fileAccessError (90)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the admin save command on an NE fails.		
<b>Raising condition:</b> ('Config Save State' EQUAL 'Failure')		
<b>Clearing condition:</b> ('Config Save State' EQUAL 'Success')		
<b>Remedial action:</b> Attempt the admin save command a second time. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-143 ScheduledPollerProblem

Alarm	Attributes	Applicable major releases
Name: ScheduledPollerProblem (4386) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: scheduledResyncFailed (1569)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Raising condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Failed')		
<b>Clearing condition:</b> ('Scheduled Resync Status' EQUAL 'Scheduled Resync Done')		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

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Table 38-144 SdpBindingDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingDown (221) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpBindingNotReady (166)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'Standby For BGP Multi-Homing'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'Standby For BGP Multi-Homing'))		
<b>Remedial action:</b> To resolve this alarm check the SDP binding to determine if a configuration mismatch exists. If configuration is determined to be correct then the associated network interface may be down. Further investigation is required to determine why the underlying network interface is down.		

Table 38-145 SdpBindingTunnelDown

Alarm	Attributes	Applicable major releases
Name: SdpBindingTunnelDown (222) Type: CircuitAlarm (17) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: SdpTunnelNotReady (167)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SDP binding tunnel has an Operational State other than Up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Tunnel Not Ready') OR ('Operational State' EQUAL 'Tunnel Down'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Tunnel Not Ready') AND ('Operational State' NOT EQUAL 'Tunnel Down'))		
<b>Remedial action:</b> To resolve this alarm check the endpoints of the SDP binding to determine if a configuration mismatch exists. If configuration matches then the underlying network resource between the endpoints of the SDP may be down. Further investigation is required to determine why the underlying transport network is down.		

Table 38-146 SdpEgressIfsNetDomainInConsistent

Alarm	Attributes	Applicable major releases
Name: SdpEgressIfsNetDomainInConsistent (3616) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpEgressIfsNetDomainInConsistent (1405)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the SDP egress interface's consistency state changes to inconsistent.		
<b>Raising condition:</b> ('Egress Interfaces Consistency State' EQUAL '3')		
<b>Clearing condition:</b> ('Egress Interfaces Consistency State' EQUAL '2')		
<b>Remedial action:</b> To resolve this alarm check egress interfaces of the SDP configuration. If configuration is determined to be correct check underlying physical transport. Further investigation is required.		

Table 38-147 ServiceSiteDown

Alarm	Attributes	Applicable major releases
Name: ServiceSiteDown (97) Type: serviceAlarm (16) Package: service Raised on class: service.Site	Severity: critical Implicitly cleared: true Default probable cause: siteDown (83)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when all SAPs on a site are operationally down, or when the service tunnels for the site are operationally down.		
<b>Raising condition:</b> (('Operational State' NOT EQUAL 'Up') AND ('State Cause' NOT EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up') OR ('State Cause' EQUAL 'All Spoke SDP Bindings are Standby'))		
<b>Remedial action:</b> The network resources (i.e. physical ports for SAPs, or physical ports/LSP) associated with the service site should be examined to determine if/why they are operationally down. The underlying transport network supporting the site may also be unreliable.		

Table 38-148 SessionDown

Alarm	Attributes	Applicable major releases
Name: SessionDown (73) Type: ProtocolAlarm (1) Package: rsvp Raised on class: rsvp.Session	Severity: critical Implicitly cleared: true Default probable cause: interfaceDown (32)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an RSVP session is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Please check the RSVP session path to make sure all associated protocols/interfaces/connections are OK.		

Table 38-149 ShamLinkDown

Alarm	Attributes	Applicable major releases
Name: ShamLinkDown (665) Type: ShamLinkAlarm (57) Package: ospf Raised on class: ospf.ShamLink	Severity: critical Implicitly cleared: true Default probable cause: ShamLinkDown (492)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a sham link is operationally down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> This alarm is raised when the OSPF sham link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 38-150 SingleSFMOverloadDetected

Alarm	Attributes	Applicable major releases
Name: SingleSFMOverloadDetected (843) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: singleSfmOverloadDetected (601)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device reports a single-SFM overload. The alarm clears when the VR exits the Overload state.		
<b>Raising condition:</b> ('Overload State' EQUAL 'Overload')		
<b>Clearing condition:</b> ('Overload State' EQUAL 'Normal')		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 38-151 SpbAdjacencyDown

Alarm	Attributes	Applicable major releases
Name: SpbAdjacencyDown (4392) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: IsisInterfaceDown (232)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has no adjacencies, for example, because the IS-IS protocol on the remote site is down.		
<b>Raising condition:</b> (('Adjacency Count' EQUAL '0L'))		
<b>Clearing condition:</b> (('Adjacency Count' > '0L'))		
<b>Remedial action:</b> Check remote site to see if corresponding IS-IS interface is configured and admin up.		

**Table 38-152 SpbInterfaceDown**

Alarm	Attributes	Applicable major releases
Name: SpbInterfaceDown (4393) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.AbstractInterface	Severity: warning Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB IS-IS interface has an Operational State other than Up.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Down')		
<b>Clearing condition:</b> ('operationalState' NOT EQUAL 'Down')		
<b>Remedial action:</b> Check if underlying port is down, or associated network interface is down.		

**Table 38-153 SpbSiteDown**

Alarm	Attributes	Applicable major releases
Name: SpbSiteDown (4396) Type: ProtocolAlarm (1) Package: spb Raised on class: spb.Site	Severity: critical Implicitly cleared: true Default probable cause: protocolDown (1)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an SPB site has an Operational State other than Up.		
<b>Raising condition:</b> ('Operational State' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Check if the administrative state is down. If the administrative state is up, then check the ISIS instance associated with the SPB and make sure it is up.		

**Table 38-154 StatsRetrieveFailed**

Alarm	Attributes	Applicable major releases
Name: StatsRetrieveFailed (244) Type: configurationAlarm (11) Package: sw Raised on class: sw.AccountingStatsRetrievalManager	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM main or auxiliary server cannot transfer an accounting file from an NE.		
<b>Raising condition:</b> (('Stats Retrieval State' NOT EQUAL 'Success') AND ('Stats Retrieval State' NOT EQUAL 'Not Attempted'))		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy or otherwise cannot respond to the 5620 SAM main or auxiliary server.		

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Table 38-155 SubscriberSystemNextHopUsageHigh

Alarm	Attributes	Applicable major releases
Name: SubscriberSystemNextHopUsageHigh (5157) Type: thresholdCrossed (6) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit.		
<b>Raising condition:</b> ('IP Next Hop Usage High' EQUAL 'true')		
<b>Clearing condition:</b> ('IP Next Hop Usage High' EQUAL 'false')		
<b>Remedial action:</b> The alarm is raised when the IP next-hop usage by subscriber managed routes reaches its high watermark, cleared when it reaches its low watermark again; the watermarks are derived from the limit specified with the property subSysNextHopLimit. There is no immediate effect, but when the usage actually hits the limit, new hosts will not get their managed routes.		

Table 38-156 SubSysChassMemoryUsageHi

Alarm	Attributes	Applicable major releases
Name: SubSysChassMemoryUsageHi (5656) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.Shelf	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This alarm is raised when the memory usage by subscriber management on this system or chassis reaches its high watermark ('true').		
<b>Raising condition:</b> ('Memory Usage High' EQUAL 'True')		
<b>Clearing condition:</b> (('Memory Usage High' EQUAL 'False') OR ('Memory Usage High' EQUAL 'unspecified'))		
<b>Remedial action:</b> The memory usage by subscriber management on this system has reached its high watermark. Please check your memory usage.		

Table 38-157 TemperatureThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: TemperatureThresholdCrossed (7) Type: environmentalAlarm (2) Package: equipment Raised on class: equipment.Environment	Severity: major Implicitly cleared: true Default probable cause: equipmentOverheated (5)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a temperature crosses a threshold.		
<b>Raising condition:</b> ('temperatureThresholdCrossed' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('temperatureThresholdCrossed' EQUAL 'false')		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 38-158 TmnxEqPortEtherLoopDetected

Alarm	Attributes	Applicable major releases
Name: TmnxEqPortEtherLoopDetected (461) Type: portEtherLoopDetected (48) Package: ethernetequipment Raised on class: ethernetequipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: HighBer (238)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when a device detects a physical loop on an Ethernet port.		
<b>Raising condition:</b> (('Down When Looped Status' EQUAL 'Loop Detected'))		
<b>Clearing condition:</b> (('Down When Looped Status' EQUAL 'No Loop Detected'))		
<b>Remedial action:</b> An Ethernet port has been mis-cabled - please remove the loopback cable on the port.		

Table 38-159 TrapDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: TrapDestinationMisconfigured (33) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: trapDestinationMisconfigured (26) Applicable probable causes: <ul style="list-style-type: none"> <li>• trapDestinationMisconfigured</li> <li>• duplicateTrapLogId</li> </ul>	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM cannot be added to the NE's SNMP trap destinations.		
<b>Raising condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('isTrapDestinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The SNMP trap destination on the NE must be configured to the IP address of the SAM server.		

Table 38-160 TrapReceivingFailure

Alarm	Attributes	Applicable major releases
Name: TrapReceivingFailure (1083) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: trapsWillNotBeSent (822)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> This user-defined alarm is raised when the NE is unable to send traps because the NE configuration is one of the following: - The Management IP Selection is set to Out Of Band Only, the Primary Route Preference is set to In Band, and the Secondary Route Preference is set to None. - The Management IP Selection is set to In Band Only, the Primary Route Preference is set to Out Of Band, and the Secondary Route Preference is set to None.		
<b>Raising condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Only') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Only') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'In Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'In Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'In Band') OR ('Secondary Route Preference' EQUAL 'In Band')) OR (('Active Management IP' EQUAL 'Out Of Band') AND ('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Primary Route Preference' EQUAL 'Out Of Band') OR ('Secondary Route Preference' EQUAL 'Out Of Band'))))		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configuration error must be corrected per the discussion in the description for this alarm.		

Table 38-161 TrapRoutePreferenceRedundancyMissing

Alarm	Attributes	Applicable major releases
Name: TrapRoutePreferenceRedundancyMissing (1084) Type: communications (87) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: trapsRedundancyMissing (823)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The user-defined alarm is raised when NE management redundancy is configured without trap route preference redundancy.		
<b>Raising condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Primary Route Preference' EQUAL 'In Band') AND ('Secondary Route Preference' EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Primary Route Preference' EQUAL 'Out Of Band') AND ('Secondary Route Preference' EQUAL 'None'))))		
<b>Clearing condition:</b> (((('Management IP Selection' EQUAL 'In Band Preferred') AND ('Active Management IP' EQUAL 'In Band') AND ('Secondary Route Preference' NOT EQUAL 'None')) OR (('Management IP Selection' EQUAL 'Out Of Band Preferred') AND ('Active Management IP' EQUAL 'Out Of Band') AND ('Secondary Route Preference' NOT EQUAL 'None'))))		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The IP address of the standby SAM server must be configured on the NE in question.		

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Table 38-162 TunnelAdministrativelyDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an MPLS path is administratively down.		
<b>Raising condition:</b> ('Administrative' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('Administrative' EQUAL 'Up')		
<b>Remedial action:</b> Turn up the corresponding MPLS path.		

Table 38-163 TunnelAdministrativelyDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelAdministrativelyDown (523) Type: pathAlarm (12) Package: svt Raised on class: svt.Tunnel	Severity: minor Implicitly cleared: true Default probable cause: tunnelAdministrativelyDown (333)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is administratively down.		
<b>Raising condition:</b> ('administrativeState' NOT EQUAL 'Up')		
<b>Clearing condition:</b> ('administrativeState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - an operator has manually turned down a service tunnel.		

Table 38-164 TunnelDown (mpls)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an MPLS path has an Operational State other than Up, and the Administrative State is Up.		

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## 38 – Alcatel-Lucent DC VSC alarms

Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> Check the network resources along the path.		

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Table 38-165 TunnelDown (svt)

Alarm	Attributes	Applicable major releases
Name: TunnelDown (30) Type: pathAlarm (12) Package: svt Raised on class: svt.AbstractTunnel	Severity: critical Implicitly cleared: true Default probable cause: tunnelDown (23)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 5620 SAM detects that a service tunnel is operationally down.		
<b>Raising condition:</b> (('Administrative' EQUAL 'Up') AND ('Operational' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('Operational' EQUAL 'Up') OR ('Administrative' NOT EQUAL 'Up'))		
<b>Remedial action:</b> This alarm indicates that a problem has been made in the underlying transport network. If the alarm persists or re-occurs frequently then investigation of the underlying transport issues is warranted.		

Table 38-166 UnidentifiedNode

Alarm	Attributes	Applicable major releases
Name: UnidentifiedNode (1922) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: unidentifiedNode (922)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the node being discovered can not be properly identified.		
<b>Raising condition:</b> ('State' EQUAL 'Pending Identification')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Pending Identification')		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. The eNodeB does not have a system name. The name can be configured by selecting the alarm, opening the associated properties form for the alarmed object and configuring the system name.		

Table 38-167 UnmanageFailed

Alarm	Attributes	Applicable major releases
Name: UnmanageFailed (300) Type: discoveryControlAlarm (33) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: true Default probable cause: unableToDeleteNode (231)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when an attempt to unmanage an NE fails.		
<b>Raising condition:</b> ('Site State' EQUAL 'Unmanage Failed')		
<b>Clearing condition:</b> ('Site State' NOT EQUAL 'Unmanage Failed')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 38-168 UpgradedBuildVersionMismatch

Alarm	Attributes	Applicable major releases
Name: UpgradedBuildVersionMismatch (174) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: upgradedImageNotBooted (137)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the software version that an NE reports after a software upgrade does not match the version of the software used for the upgrade.		
<b>Raising condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'true')		
<b>Clearing condition:</b> ('upgradedBuildVersionMismatch' EQUAL 'false')		
<b>Remedial action:</b> Informational - if the alarm persists please contact Alcatel-Lucent support for assistance		

Table 38-169 upgradedCardAlarm

Alarm	Attributes	Applicable major releases
Name: upgradedCardAlarm (255) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: upgradedCard (194)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the standby CPM is rebooted and operational after a software upgrade. A device resets an IOM automatically after 120 minutes if the IOM is not manually reset after a CPM upgrade.		
<b>Raising condition:</b> ('operationalState' EQUAL 'Upgrade')		
<b>Clearing condition:</b> ('operationalState' EQUAL 'Up')		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 38-170 VersionConfigRestoreFailed

Alarm	Attributes	Applicable major releases
Name: VersionConfigRestoreFailed (536) Type: configurationAlarm (11) Package: sw Raised on class: sw.BackupRestoreManager	Severity: major Implicitly cleared: true Default probable cause: versionMismatch (405)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when the restore procedure on an NE fails because of a mismatch between the backup file set version and the NE software version.		
<b>Raising condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Failure')		
<b>Clearing condition:</b> ('lastNmsVersionRestoreState' EQUAL 'Success')		
<b>Remedial action:</b> The backup files being restored do not match with the version of node software release. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 38-171 VirtualLinkDown

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDown (122) Type: VirtualLinkAlarm (21) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: true Default probable cause: VirtualLinkDown (104)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a virtual link is Down.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' NOT EQUAL 'Down')		
<b>Remedial action:</b> This alarm is raised when the OSPF virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 38-172 VirtualNeighborDown

Alarm	Attributes	Applicable major releases
Name: VirtualNeighborDown (123) Type: VirtualNeighborDown (22) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: VirtualNeighborDown (105)	<ul style="list-style-type: none"> <li>2.1</li> <li>3.0</li> </ul>
<b>Description:</b> The alarm is raised when a neighbor virtual link is operationally down.		
<b>Raising condition:</b> ('neighborCount' EQUAL '0L')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('neighborCount' NOT EQUAL '0L')		
<b>Remedial action:</b> This alarm is raised when the OSPF neighbor virtual link is operationally down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

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Table 38-173 WrongCpaaSoftwareVersion

Alarm	Attributes	Applicable major releases
Name: WrongCpaaSoftwareVersion (791) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: wrongCpaaSoftwareVersion (559)	<ul style="list-style-type: none"> <li>• 2.1</li> <li>• 3.0</li> </ul>
<b>Description:</b> The alarm is raised when the 7701 CPAA software is the wrong version and requires an upgrade.		
<b>Raising condition:</b> (('Software Version' EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Clearing condition:</b> (('Software Version' NOT EQUAL '"TIMOS-B-3.0.Generic "') AND ('Chassis Type' EQUAL '7701 CPAA'))		
<b>Remedial action:</b> The SW version of the CPAA must be upgraded to the version compatible with CPAM version.		





## 39 – Unspecified NE alarms

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**Note** — This chapter lists alarms that have no NE type specified. The alarms listed in this chapter may apply to one or more NE types, however, this information is not specified in the 5620 SAM alarm schema. Associating alarms with specific NE types is an ongoing Alcatel-Lucent effort.

**Table 39-1 AARadiusAcctPlcyFailure**

Alarm	Attributes	Applicable major releases
Name: AARadiusAcctPlcyFailure (3948) Type: AARadiusAcctPlcyFailureAlarm (120) Package: aapolicy Raised on class: aapolicy.AARadiusAccountingPolicy	Severity: major Implicitly cleared: false Default probable cause: aARadiusAcctPlcyFailure (1527)	Unspecified
<b>Description:</b> The alarm is raised when a RADIUS accounting request was not successfully sent to any of the RADIUS servers specified in the AA RADIUS accounting policy. The effect is accounting data for current subscribers will not be exported externally. Based on the noted reason, if necessary take action to ensure that the next RADIUS accounting will be successfully sent.		
<b>Remedial action:</b> The AA RADIUS Accounting Server(s) which are configured in the AA RADIUS Accounting Policy are unreachable. This may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the AA RADIUS Accounting Server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

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Table 39-2 AARadiusAcctServerStateChanged

Alarm	Attributes	Applicable major releases
Name: AARadiusAcctServerStateChanged (3949) Type: AARadiusAcctServerStateChangedAlarm (121) Package: aapolicy Raised on class: aapolicy.AARadiusAccountingServer	Severity: info Implicitly cleared: true Default probable cause: aARadiusAcctServerStateChanged (1528)	Unspecified
<b>Description:</b> The notification alarm is raised when the operational status of an AA RADIUS Accounting Policy Server has transitioned from 'In Service' to 'Out of Service' or 'Unknown' and cleared when operational status transitioned to 'In Service'.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Out Of Service') AND ('isLocal' EQUAL 'true'))		
<b>Clearing condition:</b> ('Operational State' EQUAL 'In Service')		
<b>Remedial action:</b> Informational - This is a notification alarm to indicate that AA RADIUS Accounting Server which is configured in the AA RADIUS Accounting Policy is changing operational state.		

Table 39-3 AarpStateChanged

Alarm	Attributes	Applicable major releases
Name: AarpStateChanged (3705) Type: AarpStateChanged (108) Package: aapolicy Raised on class: aapolicy.Aarp	Severity: info Implicitly cleared: false Default probable cause: AarpStateChanged (1445)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects that an AARP state is changed.		
<b>Remedial action:</b> The application assurance redundancy protocol state is changed between standalone, remote, master or backup.		

Table 39-4 AAUrlFilterStateChanged

Alarm	Attributes	Applicable major releases
Name: AAUrlFilterStateChanged (4972) Type: processingErrorAlarm (81) Package: aapolicy Raised on class: aapolicy.AAUrlFilter	Severity: info Implicitly cleared: true Default probable cause: aAUrlFilterStateChanged (2029)	Unspecified
<b>Description:</b> The notification alarm is raised when the operational status has transitioned from 'In Service' to 'Out of Service' and cleared when operational status transitioned from 'Out of Service' to 'In Service'.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down') AND ('isLocal' EQUAL 'true'))		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> Informational - This is a notification alarm to indicate that AA URL Filter which is configured in the AA URL Filter Policy is changing operational state.		

Table 39-5 ABSAlarm

Alarm	Attributes	Applicable major releases
Name: ABSAlarm (5187) Type: equipmentAlarm (3) Package: isa Raised on class: isa.MgGroupMember	Severity: major Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The ABSAlarm is raised when a set of the internal parameters for ICC call latency and memory utilization reach the high threshold (activated) and cleared when it drop back and keep staying below the low threshold for at least some time period (de-activated)		
<b>Remedial action:</b> Diagnose why high memory utilization and/or control signaling overload happen.		

Table 39-6 AddressAttachFailed (rtr)

Alarm	Attributes	Applicable major releases
Name: AddressAttachFailed (8134) Type: processingErrorAlarm (81) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: false Default probable cause: addressAttachFailed (2530)	Unspecified
<b>Description:</b> The alarm is raised when an IP address could not be attached to an interface.		
<b>Remedial action:</b> An IP address could not be attached to an interface. A possible cause is that a duplicate address is detected.		

Table 39-7 AddressAttachFailed (service)

Alarm	Attributes	Applicable major releases
Name: AddressAttachFailed (8134) Type: processingErrorAlarm (81) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: false Default probable cause: addressAttachFailed (2530)	Unspecified
<b>Description:</b> The alarm is raised when an IP address could not be attached to an interface.		
<b>Remedial action:</b> An IP address could not be attached to an interface. A possible cause is that a duplicate address is detected.		

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Table 39-8 AddressMisconfiguration

Alarm	Attributes	Applicable major releases
Name: AddressMisconfiguration (591) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: major Implicitly cleared: true Default probable cause: EpipeBackboneMacAddressMismatch (444) Applicable probable causes: <ul style="list-style-type: none"> <li>EpipeBackboneMacAddressMismatch</li> <li>BVplsSourceMacAddressDuplicate</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when B-VPLS site addresses are misconfigured. The EpipeBackboneMacAddressMismatch probable cause indicates that the backbone destination MAC address does not match the backbone source MAC address of the site on the destination NE. The BVplsSourceMacAddressDuplicate probable cause indicates that there are duplicate backbone source MAC addresses.		
<b>Remedial action:</b> Reconfigure the backbone MAC address so that the destination MAC address match the destination site for an EPIPE, or the source MAC address is not duplicate to the other source MAC address for a B-VPLS.		

Table 39-9 AdvNotActivated

Alarm	Attributes	Applicable major releases
Name: AdvNotActivated (741) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.InstanceV6	Severity: warning Implicitly cleared: true Default probable cause: advertisementNotActivated (517)	Unspecified
<b>Description:</b> The alarm is raised when the parent interface of an IPv6 VR instance is not configured to send router advertisements, or when router advertisement is not configured to use the virtual MAC address.		
<b>Remedial action:</b> Activate the Advertisement for the interface for the VRRP so that it sends Advertisement and Use Virtual MAC Address.		

Table 39-10 Ais

Alarm	Attributes	Applicable major releases
Name: Ais (736) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: ais (513)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports an AIS condition on the Tx or Rx circuit of a PDH tributary.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-11 AisRx

Alarm	Attributes	Applicable major releases
Name: AisRx (1157) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: aisRx (860)	Unspecified
<b>Description:</b> The alarm is raised when there is a receiver alarm indication signal.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-12 AisTx

Alarm	Attributes	Applicable major releases
Name: AisTx (1158) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: aisTx (861)	Unspecified
<b>Description:</b> The alarm is raised when there is a transmission alarm indication signal.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-13 AllBgpPeerConnectionsDown

Alarm	Attributes	Applicable major releases
Name: AllBgpPeerConnectionsDown (5417) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: CPAAPeerConnectionDown (2124)	Unspecified
<b>Description:</b> The alarm is raised when all CPAA's BGP peers went down.		
<b>Remedial action:</b> 1) All BGP peer connections are down for the active CPAA. Please check the connections. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

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Table 39-14 AllTimingReferencesNotQualified

Alarm	Attributes	Applicable major releases
Name: AllTimingReferencesNotQualified (549) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: true Default probable cause: allTimingReferencesNotQualified (419)	Unspecified
<b>Description:</b> The alarm is raised when no timing references on an NE are in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified') AND ('Qualified For Use' NOT EQUAL 'Qualified'))		
<b>Clearing condition:</b> (('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified') OR ('Qualified For Use' EQUAL 'Qualified'))		
<b>Remedial action:</b> Make sure that all the Timing References are qualified.		

Table 39-15 apsCfgRaiseAlarm

Alarm	Attributes	Applicable major releases
Name: apsCfgRaiseAlarm (772) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: configurationMismatch (548)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a mismatch between the working and protection Ethernet tunnel group configurations.		
<b>Remedial action:</b> Fix the mismatch between the working and protection Ethernet tunnel configurations.		

Table 39-16 apsNoRspRaiseAlarm

Alarm	Attributes	Applicable major releases
Name: apsNoRspRaiseAlarm (773) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: incompleteProtectionSwitching (549)	Unspecified
<b>Description:</b> The alarm is raised when an Ethernet tunnel group protection switch is incomplete, as indicated by a comparison of the transmitted 'Requested Signal' values and the received 'Bridged Signal' in the APS protocol.		
<b>Remedial action:</b> Fix the mismatch between the working and protection Ethernet tunnel configurations.		

Table 39-17 apsPrvsnAlarm

Alarm	Attributes	Applicable major releases
Name: apsPrvsnAlarm (1196) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
<b>Description:</b> The alarm is raised when a mismatch is detected on Ethernet Ring provisioning. The mismatch occurs when the RPL Owner Node receives one or more No Request R-APS message(s) with an RPL blocked status flag set (NR, RB) and a different Node ID.		
<b>Remedial action:</b> Probably more than one Ring Protection Link owners configured in the Ring, make sure which one should be RPL owner and delete others.		

Table 39-18 apsPrvsnRaiseAlarm

Alarm	Attributes	Applicable major releases
Name: apsPrvsnRaiseAlarm (774) Type: configurationAlarm (11) Package: ethernetntunnel Raised on class: ethernetntunnel.EthernetTunnelEndpoint	Severity: major Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
<b>Description:</b> The alarm is raised when an Ethernet tunnel group provisioning mismatch is detected at the ETH layer. The mismatch is detected through a comparison of the transmitted and received APS protocol A, B and D bits.		
<b>Remedial action:</b> Check the configuration of the two ends of the tunnel are compatible/same for the protocol.		

Table 39-19 AsymmetricalConfig (bundle)

Alarm	Attributes	Applicable major releases
Name: AsymmetricalConfig (295) Type: configurationAlarm (11) Package: bundle Raised on class: bundle.MultiChassisApsInterface	Severity: major Implicitly cleared: true Default probable cause: asymmetricalConfig (226)	Unspecified
<b>Description:</b> The alarm is raised when the bundles in an APS group do not have matching configurations.		
<b>Raising condition:</b> ('Asymmetrical Config Detected' EQUAL 'true')		
<b>Clearing condition:</b> ('Asymmetrical Config Detected' EQUAL 'false')		
<b>Remedial action:</b> Check configurations on both members to see anything not matched.		

## 39 – Unspecified NE alarms

Table 39-20 AtcaAlarmCard\_e1InfraAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_e1InfraAlarm (5704) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: remoteAlarmInterface (615)	Unspecified
<b>Description:</b> This Alarm is raised when there is a failure and the infrastructure alarms :E1_A, E1_B, E1_C, E1_D get raised.		
<b>Remedial action:</b> TBD		

Table 39-21 AtcaAlarmCard\_e2InfraAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_e2InfraAlarm (5705) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: remoteAlarmInterface (615)	Unspecified
<b>Description:</b> This Alarm is raised when there is a failure and the infrastructure alarms : E2_A, E2_B, E2_C, E2_D get raised.		
<b>Remedial action:</b> TBD		

Table 39-22 AtcaAlarmCard\_e3InfraAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_e3InfraAlarm (5706) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: remoteAlarmInterface (615)	Unspecified
<b>Description:</b> This Alarm is raised when there is a failure and the infrastructure alarms : E3_A, E3_B, E3_C, E3_D get raised.		
<b>Remedial action:</b> TBD		

Table 39-23 AtcaAlarmCard\_e4InfraAlarm

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_e4InfraAlarm (5707) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: remoteAlarmInterface (615)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when there is a failure and the infrastructure alarms : E4_A, E4_B, E4_C, E4_D get raised.		
<b>Remedial action:</b> TBD		

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Table 39-24 AtcaAlarmCard\_pdu

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_pdu (5708) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when there is failure in the PDU presence.		
<b>Remedial action:</b> TBD		

Table 39-25 AtcaAlarmCard\_pduBreakerPwr

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_pduBreakerPwr (5709) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when there is failure in AT1 PDU Breaker A, AT1 PDU Breaker B.		
<b>Remedial action:</b> TBD		

Table 39-26 AtcaAlarmCard\_pduFeedPwr

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_pduFeedPwr (5710) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: critical Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when there is failure in the AT1 PDU Feed A, AT1 PDU Feed B.		
<b>Remedial action:</b> TBD		

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Table 39-27 AtcaAlarmCard\_powerFailure

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_powerFailure (5711) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when the Loop Voltage failure, VoltageFailure48V_A and VoltageFailure48V_B. happens		
<b>Remedial action:</b> TBD		

Table 39-28 AtcaAlarmCard\_telcoAlarmInput

Alarm	Attributes	Applicable major releases
Name: AtcaAlarmCard_telcoAlarmInput (5712) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAAlarmCard	Severity: info Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the System manager does the minor Reset, major Reset and Alarm cutoff.		
<b>Remedial action:</b> TBD		

Table 39-29 AtcaFanTray\_fanAgingDown1

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown1 (5713) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging1		
<b>Remedial action:</b> TBD		

Table 39-30 AtcaFanTray\_fanAgingDown2

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown2 (5714) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging2		
<b>Remedial action:</b> TBD		

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Table 39-31 AtcaFanTray\_fanAgingDown3

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown3 (5715) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging3		
<b>Remedial action:</b> TBD		

Table 39-32 AtcaFanTray\_fanAgingDown4

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown4 (5716) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging4		
<b>Remedial action:</b> TBD		

Table 39-33 AtcaFanTray\_fanAgingDown5

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown5 (5717) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging5		
<b>Remedial action:</b> TBD		

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Table 39-34 AtcaFanTray\_fanAgingDown6

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingDown6 (5718) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Down fan tray reaches the Aging6		
<b>Remedial action:</b> TBD		

Table 39-35 AtcaFanTray\_fanAgingRear1

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear1 (5719) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging1		
<b>Remedial action:</b> TBD		

Table 39-36 AtcaFanTray\_fanAgingRear2

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear2 (5720) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging2		
<b>Remedial action:</b> TBD		

Table 39-37 AtcaFanTray\_fanAgingRear3

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear3 (5721) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging3		
<b>Remedial action:</b> TBD		

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Table 39-38 AtcaFanTray\_fanAgingRear4

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear4 (5722) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging4		
<b>Remedial action:</b> TBD		

Table 39-39 AtcaFanTray\_fanAgingRear5

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear5 (5723) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging5		
<b>Remedial action:</b> TBD		

Table 39-40 AtcaFanTray\_fanAgingRear6

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingRear6 (5724) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray reaches the Aging6		
<b>Remedial action:</b> TBD		

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Table 39-41 AtcaFanTray\_fanAgingUp1

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp1 (5725) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging1		
<b>Remedial action:</b> TBD		

Table 39-42 AtcaFanTray\_fanAgingUp2

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp2 (5726) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging2		
<b>Remedial action:</b> TBD		

Table 39-43 AtcaFanTray\_fanAgingUp3

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp3 (5727) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging3		
<b>Remedial action:</b> TBD		

Table 39-44 AtcaFanTray\_fanAgingUp4

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp4 (5728) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging4		
<b>Remedial action:</b> TBD		

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Table 39-45 AtcaFanTray\_fanAgingUp5

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp5 (5729) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging5		
<b>Remedial action:</b> TBD		

Table 39-46 AtcaFanTray\_fanAgingUp6

Alarm	Attributes	Applicable major releases
Name: AtcaFanTray_fanAgingUp6 (5730) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAFanTray	Severity: major Implicitly cleared: true Default probable cause: replaceableUnitProblem (643)	Unspecified
<b>Description:</b> This Alarm is raised when the Upper fan tray reaches the Aging6		
<b>Remedial action:</b> TBD		

Table 39-47 AtcaShelf\_alarmCardAbsence

Alarm	Attributes	Applicable major releases
Name: AtcaShelf_alarmCardAbsence (5755) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelf	Severity: info Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when there is failure in the Alarm card presence.		
<b>Remedial action:</b> TBD		

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Table 39-48 AtcaShelfManager\_boardFilterAbsence

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_boardFilterAbsence (5731) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: minor Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when the Board filter or the Front side filter or grid is not present.		
<b>Remedial action:</b> TBD		

Table 39-49 AtcaShelfManager\_cpIdSensor

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_cpIdSensor (5732) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when there is change in the shelf manager redundancy status.		
<b>Remedial action:</b> TBD		

Table 39-50 AtcaShelfManager\_fanTrayLowAbsence

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_fanTrayLowAbsence (5733) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: major Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when the Lower fan tray is not present.		
<b>Remedial action:</b> TBD		



**Table 39-51 AtcaShelfManager\_fanTrayRearAbsence**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_fanTrayRearAbsence (5734) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: major Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when the Rear fan tray is not present.		
<b>Remedial action:</b> TBD		

**Table 39-52 AtcaShelfManager\_fanTraysFRUcriticalFailure**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_fanTraysFRUcriticalFailure (5736) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure occurs in the Fan Trays FRUs.		
<b>Remedial action:</b> TBD		

**Table 39-53 AtcaShelfManager\_fanTrayUpAbsence**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_fanTrayUpAbsence (5735) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: major Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when the Up fan tray is not present.		
<b>Remedial action:</b> TBD		

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Table 39-54 AtcaShelfManager\_i2cLocalBus

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_i2cLocalBus (5737) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to the I2C Local Bus.		
<b>Remedial action:</b> TBD		

Table 39-55 AtcaShelfManager\_i2cMasterResourceHighLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_i2cMasterResourceHighLimit (5738) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the I2C Master Resource reaches the critical limit.		
<b>Remedial action:</b> TBD		

Table 39-56 AtcaShelfManager\_i2cMasterResourceMidLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_i2cMasterResourceMidLimit (5739) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the I2C of the Master Resource reaches the major limit		
<b>Remedial action:</b> TBD		

Table 39-57 AtcaShelfManager\_ipmbLinkDown

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_ipmbLinkDown (5740) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to the IPMB-0 link		
<b>Remedial action:</b> TBD		

Table 39-58 AtcaShelfManager\_lm75TempDownHighLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_lm75TempDownHighLimit (5741) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCShelfManager	Severity: critical Implicitly cleared: true Default probable cause: lowTemperature (674)	Unspecified
<b>Description:</b> This Alarm is raised when the temperature of the bottom of the NBSHMC board reaches the lower critical limit.		
<b>Remedial action:</b> TBD		

Table 39-59 AtcaShelfManager\_lm75TempDownMidLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_lm75TempDownMidLimit (5742) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: lowTemperatureMidLimit (2443)	Unspecified
<b>Description:</b> This Alarm is raised when the temperature of the bottom of the NBSHMC board reaches the lower major limit.		
<b>Remedial action:</b> TBD		

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Table 39-60 AtcaShelfManager\_lm75TempUpHighLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_lm75TempUpHighLimit (5743) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCShelfManager	Severity: critical Implicitly cleared: true Default probable cause: highTemperature (667)	Unspecified
<b>Description:</b> This Alarm is raised when the temperature of the top of the NBSHMC board reaches the upper critical limit.		
<b>Remedial action:</b> TBD		

Table 39-61 AtcaShelfManager\_lm75TempUpMidLimit

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_lm75TempUpMidLimit (5744) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: highTemperature (667)	Unspecified
<b>Description:</b> This Alarm is raised when the temperature of the top of the NBSHMC board reaches the upper major limit.		
<b>Remedial action:</b> TBD		

Table 39-62 AtcaShelfManager\_pwrRedDegraded

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_pwrRedDegraded (5745) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> Power supply redundancy degraded assert. Redundancy still exists, but at a less than full level. For example, a system has four fans, and can tolerate the failure of two of them, and presently one has failed		
<b>Remedial action:</b> TBD		

**Table 39-63 AtcaShelfManager\_pwrRedLost**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_pwrRedLost (5746) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Power supply redundancy lost or Entered any non-redundant state, including Non-redundant: Insufficient Resources		
<b>Remedial action:</b> TBD		

**Table 39-64 AtcaShelfManager\_pwrRedRegained**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_pwrRedRegained (5747) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the full power supply redundancy has been regained		
<b>Remedial action:</b> TBD		

**Table 39-65 AtcaShelfManager\_rebootReason**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_rebootReason (5748) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Shelf Manager has been Rebooted		
<b>Remedial action:</b> TBD		

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**Table 39-66 AtcaShelfManager\_rtmFilterAbsence**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_rtmFilterAbsence (5749) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: minor Implicitly cleared: true Default probable cause: probCauseUnknown (2442)	Unspecified
<b>Description:</b> This Alarm is raised when the RTM filter or the Back side filter or grid is not present.		
<b>Remedial action:</b> TBD		

**Table 39-67 AtcaShelfManager\_shelfFRUcriticalFailure**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_shelfFRUcriticalFailure (5750) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when critical failure happens to the Shelf FRUs in EEPROMs.		
<b>Remedial action:</b> TBD		

**Table 39-68 AtcaShelfManager\_shelfFRUminorFailure**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_shelfFRUminorFailure (5751) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCShelfManager	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when minor failure happens to the Shelf FRUs in EEPROMs.		
<b>Remedial action:</b> TBD		

**Table 39-69 AtcaShelfManager\_shelfManagerConnectionFailure**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_shelfManagerConnectionFailure (5752) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This Alarm is raised when the Shelf Oam is unable to communicate with shelf manager		
<b>Remedial action:</b> TBD		

**Table 39-70 AtcaShelfManager\_shelfManagerInNonRedundantState**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_shelfManagerInNonRedundantState (5753) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This Alarm is raised when the Peer Shelf Manager is not available		
<b>Remedial action:</b> TBD		

**Table 39-71 AtcaShelfManager\_shelfManagerUnAvailable**

Alarm	Attributes	Applicable major releases
Name: AtcaShelfManager_shelfManagerUnAvailable (5754) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASHelfManager	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Shelf Manager Card is not available		
<b>Remedial action:</b> TBD		

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Table 39-72 AtcaSwitchBaseEthernetIntf\_malbanBaseEthernetPortFailure

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchBaseEthernetIntf_malbanBaseEthernetPortFailure (5756) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASwitchBaseEthernetIntf	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Malban Card Base Ethernet port has failed		
<b>Remedial action:</b> TBD		

Table 39-73 AtcaSwitchCPU\_malban10CPUFailure

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchCPU_malban10CPUFailure (5757) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASwitchCPU	Severity: critical Implicitly cleared: false Default probable cause: processorProblem (633)	Unspecified
<b>Description:</b> This Alarm is raised when software critical error occurs on the payload. Usually followed by a board reboot or reset. It is asserted upon fault detection by the payload software and de-asserted on startup.		
<b>Remedial action:</b> TBD		

Table 39-74 AtcaSwitchFabricEthernetIntf\_malbanFabricEthernetPortFailure

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchFabricEthernetIntf_malbanFabricEthernetPortFailure (5758) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASwitchFabricEthernetIntf	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Malban Card Fabric Ethernet port has failed		
<b>Remedial action:</b> TBD		



Table 39-75 AtcaSwitchSlot\_malbanConnectionFailure

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_malbanConnectionFailure (5759) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAswitchSlot	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This Alarm is raised when the Shelf Oam is unable to communicate with Malban		
<b>Remedial action:</b> TBD		

Table 39-76 AtcaSwitchSlot\_malbanInNonRedundantState

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_malbanInNonRedundantState (5760) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCAswitchSlot	Severity: major Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This Alarm is raised when the Peer Malban is not available		
<b>Remedial action:</b> TBD		

Table 39-77 AtcaSwitchSlot\_malbanIpmbLinkDown

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_malbanIpmbLinkDown (5761) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCAswitchSlot	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to the IPMB-0 link		
<b>Remedial action:</b> TBD		

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Table 39-78 AtcaSwitchSlot\_malbanUnAvailable

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_malbanUnAvailable (5762) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASwitchSlot	Severity: major Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when the Malban Card is not available		
<b>Remedial action:</b> TBD		

Table 39-79 AtcaSwitchSlot\_malbanVlanCreationFailure

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_malbanVlanCreationFailure (5763) Type: communicationsAlarm (4) Package: femto Raised on class: femto.SCATCASwitchSlot	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This Alarm is raised when the vlan creation failed in Malban		
<b>Remedial action:</b> TBD		

Table 39-80 AtcaSwitchSlot\_ncpuFatalError

Alarm	Attributes	Applicable major releases
Name: AtcaSwitchSlot_ncpuFatalError (5764) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCASwitchSlot	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when a software critical error occurs on the payload.		
<b>Remedial action:</b> TBD		

Table 39-81 ATPCHighPowerTimeout

Alarm	Attributes	Applicable major releases
Name: ATPCHighPowerTimeout (4818) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ATPCLoopProblem (1903)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a ATPC High Power Timeout		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-82 AtpcLoopProblem

Alarm	Attributes	Applicable major releases
Name: AtpcLoopProblem (1142) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: atpcLoopProblem (848)	Unspecified
<b>Description:</b> The alarm is raised when a local transmitter was operating continuously at full power for 5-minutes, and the transmitter power is reduced to its minimum power setting.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-83 ATPCTimeout

Alarm	Attributes	Applicable major releases
Name: ATPCTimeout (3939) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: atpcTimeout (1521)	Unspecified
<b>Description:</b> The alarm is raised when a the ATPC timeout defect raise.		
<b>Remedial action:</b> The alarm is raised when a the ATPC timeout defect raise.		

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Table 39-84 AuthFailure

Alarm	Attributes	Applicable major releases
Name: AuthFailure (281) Type: authenticationAlarm (14) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
<b>Description:</b> The alarm is raised when authentication fails. The alarm information includes the source IP address.		
<b>Remedial action:</b> Reconfigure the authentication key so that the keys are the same for the peer VRRP instances.		

Table 39-85 AuthKeyConflict (Idp)

Alarm	Attributes	Applicable major releases
Name: AuthKeyConflict (5188) Type: processingErrorAlarm (81) Package: Idp Raised on class: Idp.Peer	Severity: warning Implicitly cleared: true Default probable cause: AuthKeyConflict (2103)	Unspecified
<b>Description:</b> The alarm is raised when both Authentication Key and LDP Peer Keychain are configured. LDP Peer Keychain will be used.		
<b>Remedial action:</b> Authentication Key and LDP Peer Keychain are both configured. LDP Peer Keychain will be used. The alarm is cleared when only one is configured.		

Table 39-86 AuxiliaryAlarm

Alarm	Attributes	Applicable major releases
Name: AuxiliaryAlarm (1159) Type: dryContactAlarm (47) Package: equipment Raised on class: equipment.AuxAlarmDefinition	Severity: variable Implicitly cleared: false Default probable cause: auxiliaryAlarmTriggered (862)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a configured auxiliary alarm condition has been triggered.		
<b>Remedial action:</b> Informational - no corrective action required.		

**Table 39-87 AuxiliaryDatabaseProxyStateChangeDetected**

Alarm	Attributes	Applicable major releases
Name: AuxiliaryDatabaseProxyStateChangeDetected (5170) Type: databaseAlarm (29) Package: db Raised on class: db.AuxiliaryDatabase	Severity: warning Implicitly cleared: false Default probable cause: systemFailed (144)	Unspecified
<b>Description:</b> This informative alarm is raised when the state of the auxiliary database proxy has changed at least once since the last check interval.		
<b>Remedial action:</b> Informational - no corrective action required. The state (up/down) of the auxiliary database proxy has changed at least once since the last check interval. The alarm must be manually cleared.		

**Table 39-88 AuxiliaryDatabaseProxyUnreachable**

Alarm	Attributes	Applicable major releases
Name: AuxiliaryDatabaseProxyUnreachable (5171) Type: communicationsAlarm (4) Package: db Raised on class: db.AuxiliaryDatabase	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	Unspecified
<b>Description:</b> This informative alarm is raised when a 5620 SAM server cannot communicate with an auxiliary database proxy. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Database Proxy Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Database Proxy Status' EQUAL 'Up')		
<b>Remedial action:</b> The 5620 SAM server cannot communicate with an auxiliary database proxy. Check the status of the auxiliary database proxy and the communication link between SAM server and auxiliary database node.		

**Table 39-89 AuxiliaryDatabaseStateChangeDetected**

Alarm	Attributes	Applicable major releases
Name: AuxiliaryDatabaseStateChangeDetected (5172) Type: databaseAlarm (29) Package: db Raised on class: db.AuxiliaryDatabase	Severity: warning Implicitly cleared: false Default probable cause: systemFailed (144)	Unspecified
<b>Description:</b> This informative alarm is raised when the state of the auxiliary database has changed at least once since the last check interval.		
<b>Remedial action:</b> Informational - no corrective action required. The state (up/down) of the auxiliary database has changed at least once since the last check interval. The alarm must be manually cleared.		

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Table 39-90 AuxiliaryDatabaseStatus

Alarm	Attributes	Applicable major releases
Name: AuxiliaryDatabaseStatus (5173) Type: communicationsAlarm (4) Package: db Raised on class: db.AuxiliaryDatabase	Severity: critical Implicitly cleared: true Default probable cause: systemFailed (144)	Unspecified
<b>Description:</b> This informative alarm is raised when a 5620 SAM server cannot communicate with an auxiliary database server. The alarm clears when communication is restored.		
<b>Raising condition:</b> ('Database Status' EQUAL 'Down')		
<b>Clearing condition:</b> ('Database Status' EQUAL 'Up')		
<b>Remedial action:</b> The 5620 SAM server cannot communicate with an auxiliary database. Check the status of the auxiliary database and the communication link between SAM server and auxiliary database node.		

Table 39-91 BackgroundDiagnosticFault

Alarm	Attributes	Applicable major releases
Name: BackgroundDiagnosticFault (467) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: minor Implicitly cleared: true Default probable cause: backgroundDiagnosticFault (353)	Unspecified
<b>Description:</b> The alarm is raised when an NE detects a failure in a background diagnostic test suite.		
<b>Remedial action:</b> Informational - if the condition persists then the element indicated in the alarm should be replaced.		

Table 39-92 backupScriptInUse

Alarm	Attributes	Applicable major releases
Name: backupScriptInUse (274) Type: configurationAlarm (11) Package: subscrident Raised on class: subscrident.Policy	Severity: major Implicitly cleared: true Default probable cause: backupInUse (206)	Unspecified
<b>Description:</b> The alarm is raised when the primary subscriber identification script is operationally down, but one of the other scripts is operationally up.		
<b>Raising condition:</b> (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' NOT EQUAL 'Up') AND (('Secondary Script Operational State' EQUAL 'Up') OR ('Tertiary Script Operational State' EQUAL 'Up')))		
<b>Clearing condition:</b> (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' EQUAL 'Up') OR (('Secondary Script Operational State' NOT EQUAL 'Up') AND ('Tertiary Script Operational State' NOT EQUAL 'Up'))))		
<b>Remedial action:</b> If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 39-93 BandwidthOverflow

Alarm	Attributes	Applicable major releases
Name: BandwidthOverflow (1143) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: bandwidthOverflow (849)	Unspecified
<b>Description:</b> The alarm is raised when a MPT is on-line and the cross-connections occupation overcomes the MPT net capacity bandwidth.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-94 BatteryFail (equipment)

Alarm	Attributes	Applicable major releases
Name: BatteryFail (616) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
<b>Description:</b> The alarm is raised when the battery fails or is missing.		
<b>Remedial action:</b> The battery on the CPM should be replaced or re-installed.		

Table 39-95 BatteryFail (mpr)

Alarm	Attributes	Applicable major releases
Name: BatteryFail (616) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
<b>Description:</b> The alarm is raised when the battery fails or is missing.		
<b>Remedial action:</b> The battery on the subrack element should be replaced or re-installed.		

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Table 39-96 BfdSessionDown (rtr)

Alarm	Attributes	Applicable major releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session is operationally down.		
<b>Remedial action:</b> This alarm is raised when a BFD session on a network interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 39-97 BfdSessionDown (service)

Alarm	Attributes	Applicable major releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session is operationally down.		
<b>Remedial action:</b> This alarm is raised when a BFD session on a L3 access interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 39-98 BfdSessionDown (vprn)

Alarm	Attributes	Applicable major releases
Name: BfdSessionDown (439) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session is operationally Down.		
<b>Remedial action:</b> This alarm is raised when a BFD session on a VPRN network interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		



Table 39-99 BfdSessionFlapped (rtr)

Alarm	Attributes	Applicable major releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: false Default probable cause: bfdSessionFlapped (1491)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
<b>Remedial action:</b> The BFD session on a network interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 39-100 BfdSessionFlapped (service)

Alarm	Attributes	Applicable major releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
<b>Remedial action:</b> The BFD session on a L3 access interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 39-101 BfdSessionFlapped (vprn)

Alarm	Attributes	Applicable major releases
Name: BfdSessionFlapped (3900) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
<b>Remedial action:</b> The BFD session on a VPRN network interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

**39 – Unspecified NE alarms****Table 39-102 BfdSessionMissing (rtr)**

Alarm	Attributes	Applicable major releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
<b>Description:</b> The alarm is raised when a previously present BFD session is absent.		
<b>Remedial action:</b> This alarm is raised when a previously present BFD session on a network interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 39-103 BfdSessionMissing (service)**

Alarm	Attributes	Applicable major releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
<b>Description:</b> The alarm is raised when a previously present BFD session is absent.		
<b>Remedial action:</b> This alarm is raised when a previously present BFD session on a L3 access interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

**Table 39-104 BfdSessionMissing (vprn)**

Alarm	Attributes	Applicable major releases
Name: BfdSessionMissing (438) Type: bfdSessionAlarm (46) Package: vprn Raised on class: vprn.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
<b>Description:</b> The alarm is raised when a previously present BFD session is absent.		
<b>Remedial action:</b> This alarm is raised when a previously present BFD session on a VPRN network interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 39-105 BgpAdVplsIdDiscoveryError

Alarm	Attributes	Applicable major releases
Name: BgpAdVplsIdDiscoveryError (572) Type: serviceAlarm (16) Package: vpls Raised on class: vpls.AbstractSite	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
<b>Description:</b> The alarm is raised when the VPLS ID of a discovered VPLS instance is ambiguous.		
<b>Remedial action:</b> Check that all VPLS IDs are properly configured for all VPLS instances.		

Table 39-106 BgpAdVplsIdMisconfiguration

Alarm	Attributes	Applicable major releases
Name: BgpAdVplsIdMisconfiguration (570) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
<b>Description:</b> The alarm is raised when the VPLS ID of a site does not match the VPLS ID of the other sites in the service.		
<b>Remedial action:</b> All VPLS IDs of sites in a service must be the same.		

Table 39-107 BgpAsPathLenPerMonPrefThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpAsPathLenPerMonPrefThresholdReached (795) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: asPathTooLong (562)	Unspecified
<b>Description:</b> The alarm is raised when the AS path length for a monitored BGP route reaches or exceeds the maximum threshold value.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

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Table 39-108 BgpEventUnreachable

Alarm	Attributes	Applicable major releases
Name: BgpEventUnreachable (4896) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: prefixUnreachable (827)	Unspecified
<b>Description:</b> The alarm is raised when Unreachable BGP Event is detected.		
<b>Remedial action:</b> Alarm text provides information about the affected prefix. User can look at the BGP events history for debugging purpose.		

Table 39-109 BgpFlowspecNlriProblem

Alarm	Attributes	Applicable major releases
Name: BgpFlowspecNlriProblem (3317) Type: ProtocolAlarm (1) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: major Implicitly cleared: false Default probable cause: NlriProblem (1156)	Unspecified
<b>Description:</b> The alarm is raised when the filter module receives a BGP FlowSpec NLRI that cannot be treated.		
<b>Remedial action:</b> Information - if the the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-110 BgpMonitorPrefixFlapRateThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpMonitorPrefixFlapRateThresholdReached (432) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstablePrefix (410)	Unspecified
<b>Description:</b> The alarm is raised when a BGP monitor prefix flap rate exceeds the maximum flap rate threshold value.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 39-111 BgpMonPrefixUnreachable

Alarm	Attributes	Applicable major releases
Name: BgpMonPrefixUnreachable (1114) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: prefixUnreachable (827)	Unspecified
<b>Description:</b> The alarm is raised when no route for the monitored prefix is detected.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 39-112 BgpMonPrefRedundancyLossThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpMonPrefRedundancyLossThresholdReached (796) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: lowNumberOfNHops (563)	Unspecified
<b>Description:</b> The alarm is raised when the number of next hops for a monitored BGP route reaches or falls below the minimum threshold value.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. Alarm text provides information about the affected prefix. User can look at the records for BGP prefix monitoring or BGP events history for debugging purpose.		

Table 39-113 BgpPktRateThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpPktRateThresholdReached (431) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
<b>Description:</b> The alarm is raised when a BGP packet rate exceeds the maximum threshold value.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

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Table 39-114 BgpProfilePrefixUnreachable

Alarm	Attributes	Applicable major releases
Name: BgpProfilePrefixUnreachable (8148) Type: topologyAlarm (34) Package: topology Raised on class: topology.AbstractBgpRouteProfile	Severity: variable Implicitly cleared: false Default probable cause: BGPProfilePrefixUnreachable (2544)	Unspecified
<b>Description:</b> The alarm is raised when the prefix on BGP profile is unreachable.		
<b>Remedial action:</b> BGP Profile matched with BGP prefix unreachable event.		

Table 39-115 BgpRouteChangeThresholdPerNHopReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteChangeThresholdPerNHopReached (601) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
<b>Description:</b> The alarm is raised when the number of BGP route changes for a next hop reaches the maximum threshold value for a next hop.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-116 BgpRouteChangeThresholdPerRTargetReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteChangeThresholdPerRTargetReached (600) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableVpnSite (413)	Unspecified
<b>Description:</b> The alarm is raised when the number of BGP route changes for a route target reaches the maximum threshold value for route targets.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-117 BgpRouteCountThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteCountThresholdReached (428) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForNextHop (408)	Unspecified
<b>Description:</b> The alarm is raised when the BGP route count for a next hop exceeds the maximum threshold value for next hops.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-118 BgpRouteFlapRateThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteFlapRateThresholdReached (430) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableBgpSpeaker (409)	Unspecified
<b>Description:</b> The alarm is raised when the BGP route flap rate exceeds the maximum threshold value.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-119 BgpRouteHighWatermarkPerRTargetReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteHighWatermarkPerRTargetReached (433) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForGivenRouteTarget (411)	Unspecified
<b>Description:</b> The alarm is raised when there are too many BGP routes for a route target.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

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Table 39-120 BgpRouteLowWatermarkPerRTargetReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteLowWatermarkPerRTargetReached (434) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooLittleBgpRouteForGivenRouteTarget (412)	Unspecified
<b>Description:</b> The alarm is raised when there are too few BGP routes for a route target.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-121 BgpRouteRateThresholdPerRTargetReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteRateThresholdPerRTargetReached (435) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableVpnSite (413)	Unspecified
<b>Description:</b> The alarm is raised when the BGP route rate for a target reaches the maximum threshold value for route targets.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		

Table 39-122 BgpRouteRateThresholdReached

Alarm	Attributes	Applicable major releases
Name: BgpRouteRateThresholdReached (429) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: tooManyBgpRouteForNextHop (408)	Unspecified
<b>Description:</b> The alarm is raised when the BGP route rate for a next hop exceeds the maximum threshold value for next hops.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. BGP events history can be used for debugging purpose.		



**Table 39-123 BidirectionalTPLspDestinationMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: BidirectionalTPLspDestinationMisconfiguration (5117) Type: configurationAlarm (11) Package: mplstp Raised on class: mplstp.GlobalTPLsp	Severity: critical Implicitly cleared: true Default probable cause: DestinationParametersMismatch (2053)	Unspecified
<b>Description:</b> The alarm is raised when the Destination Global ID, Destination Node ID, or Destination Tunnel Number is not consistent with the configuration of the opposite TP-LSP in a Bidirectional TP-LSP.		
<b>Remedial action:</b> This alarm is generated when a TP-LSP that belongs to a Bidirectional TP-LSP has any of its Destination Global ID, Destination Node ID, or Destination Tunnel Number misconfigured. Review the configuration both TP-LSPs in the Bidirectional TP-LSP and ensure that the Destination Global ID, Destination Node ID, and Destination Tunnel Number are configured properly.		

**Table 39-124 BidirectionalTPLspPathLspNumberMisconfiguration**

Alarm	Attributes	Applicable major releases
Name: BidirectionalTPLspPathLspNumberMisconfiguration (5118) Type: configurationAlarm (11) Package: mplstp Raised on class: mplstp.GlobalTPLspPath	Severity: critical Implicitly cleared: true Default probable cause: LSPNumberMismatch (2054)	Unspecified
<b>Description:</b> The alarm is raised when the LSP Path Number is not consistent with the LSP Path Number for LER A and LER B.		
<b>Remedial action:</b> This alarm is generated when the LSP Path Number for the Bidirectional TP-LSP Path does not match LER A and/or LER B. Review the configuration of LSP Path Number LER A and LER B and ensure both are set to the same value as the Bidirectional TP-LSP Path's LSP Path Number.		

**Table 39-125 BidirIspPathMonitorPathsDiverge**

Alarm	Attributes	Applicable major releases
Name: BidirIspPathMonitorPathsDiverge (603) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.BidirMonitoredIspPath	Severity: minor Implicitly cleared: true Default probable cause: ipPathsDiverge (449)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM detects that the IP paths of a bidirectional IP path monitor diverge. The alarm clears when the paths converge. This may occur when an IP path monitor cannot be set up after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
<b>Remedial action:</b> Informational - Paths in both direction can be highlighted on the CPAM map to identify the divergence point.		

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Table 39-126 BidirLspMonitorPathsDiverge

Alarm	Attributes	Applicable major releases
Name: BidirLspMonitorPathsDiverge (1915) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.BidirMonitoredLspPath	Severity: minor Implicitly cleared: true Default probable cause: LspPathsDiverge (917)	Unspecified
<b>Description:</b> The alarm is raised when the LSP's active path's hops do not match in the forward and reverse direction.		
<b>Remedial action:</b> Informational - Paths in both direction can be highlighted on the CPAM map to identify the divergence point.		

Table 39-127 BladeHardware\_Im75localTempCriticalAssLMert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempCriticalAssLMert (5870) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: critical Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> LM 75 local temperature critical assert		
<b>Remedial action:</b> TBD		

Table 39-128 BladeHardware\_Im75localTempCriticalDeassLMert

Alarm	Attributes	Applicable major releases
Name: BladeHardware_Im75localTempCriticalDeassLMert (5872) Type: equipmentAlarm (3) Package: femto Raised on class: femto.BladeHardware	Severity: minor Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> LM 75 local temperature critical deassert		
<b>Remedial action:</b> TBD		

Table 39-129 BootEnvironmentSyncFailed

Alarm	Attributes	Applicable major releases
Name: BootEnvironmentSyncFailed (101) Type: equipmentAlarm (3) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: critical Implicitly cleared: true Default probable cause: bootEnvironmentSyncFailed (87)	Unspecified
<b>Description:</b> The alarm is raised when the synchronization of one or more system initialization files between the active and standby CPM cards fails, or when one or both of the CSM compact flash devices do not have enough space when the 'admin redundancy synchronize boot-env' command is executed, or when the node is rebooted.		
<b>Remedial action:</b> The operator should make sure that the Boot Environment files on the CSM cards are in Sync with each other or there is enough space available on the compact flash.		

Table 39-130 BootLoaderFirmwareMismatchAlarm

Alarm	Attributes	Applicable major releases
Name: BootLoaderFirmwareMismatchAlarm (617) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.ControlProcessor	Severity: critical Implicitly cleared: false Default probable cause: bootLoaderVersionMismatch (118)	Unspecified
<b>Description:</b> The alarm is raised when there is a mismatch between the firmware version and the software image on an NE. The alarm information includes the discovered and expected version identifiers.		
<b>Remedial action:</b> Either the firmware or the device SW must be upgraded to compatible versions. The image (firmware or device SW) which is the oldest should be upgraded. Firmware must be upgraded using the NE's CLI. 5620 SAM can be used to upgrade the SW image on the device.		

Table 39-131 BrokenLoop

Alarm	Attributes	Applicable major releases
Name: BrokenLoop (469) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: true Default probable cause: stackNotInLoop (355)	Unspecified
<b>Description:</b> The alarm is raised when the loop-detection stack detects a loop condition, or when the stack contains an unexpected element.		
<b>Remedial action:</b> Login to switch console, check and correct configuration and reload stack.		

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Table 39-132 BSRSubscriberTraceConfig\_subscriberTraceRecordingSessionFailure

Alarm	Attributes	Applicable major releases
Name: BSRSubscriberTraceConfig_subscriberTraceRecordingSessionFailure (5801) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.FemtoSubscriberTraceConfig	Severity: critical Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> Failure to start a trace recording session due to any problem.		
<b>Remedial action:</b> TBD		

Table 39-133 BSRSubscriberTraceConfig\_subscriberTraceUploadFailure

Alarm	Attributes	Applicable major releases
Name: BSRSubscriberTraceConfig_subscriberTraceUploadFailure (5802) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FemtoSubscriberTraceConfig	Severity: warning Implicitly cleared: true Default probable cause: responseTimeExcessive (716)	Unspecified
<b>Description:</b> Failure to transferring SubscriberTrace files even after retries.		
<b>Remedial action:</b> TBD		

Table 39-134 BWUtilizationExceeded

Alarm	Attributes	Applicable major releases
Name: BWUtilizationExceeded (811) Type: thresholdCrossed (6) Package: netw Raised on class: netw.AbstractPhysicalLink	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when the per-CoS or overall bandwidth utilization exceeds the configured threshold.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand how this Physical Link became overbooked		

Table 39-135 CableLOS (equipment)

Alarm	Attributes	Applicable major releases
Name: CableLOS (678) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cableLOS (493)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects a cable LOS event.		
<b>Remedial action:</b> The alarm is raised when an MSS detects a cable LOS event.		

Table 39-136 CableLOS (radioequipment)

Alarm	Attributes	Applicable major releases
Name: CableLOS (678) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: cableLOS (493)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects a cable LOS event.		
<b>Remedial action:</b> The alarm is raised when an MSS detects a cable LOS event. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-137 CallTraceAlreadyActive

Alarm	Attributes	Applicable major releases
Name: CallTraceAlreadyActive (1279) Type: callTraceSessionAlarm (90) Package: lte Raised on class: lte.CTg	Severity: warning Implicitly cleared: true Default probable cause: callTraceManuallyActivated (906)	Unspecified
<b>Description:</b> The alarm is raised when a Call Trace Session is already active when the scheduled task starts. The scheduled task will not deactivate it. The Call Trace Session must be manually deactivated. The alarm is cleared when the Call Trace session is deactivated successfully.		
<b>Remedial action:</b> The existing Call Trace Session must be manually deactivated. The alarm is cleared when the Call Trace session is deactivated successfully.		

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Table 39-138 CallTraceScheduledTaskExecutionError

Alarm	Attributes	Applicable major releases
Name: CallTraceScheduledTaskExecutionError (1280) Type: callTraceSessionAlarm (90) Package: lte Raised on class: lte.CTg	Severity: warning Implicitly cleared: false Default probable cause: callTraceConfigurationError (907) Applicable probable causes: <ul style="list-style-type: none"> <li>callTraceConfigurationError</li> <li>eventBasedTraceEnabled</li> <li>debugTraceActive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when the execution of a Call Trace scheduled task has a failure activating or deactivating this Call Trace session.		
<b>Remedial action:</b> Check the call trace session.		

Table 39-139 CAProfileStateChange

Alarm	Attributes	Applicable major releases
Name: CAProfileStateChange (3910) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.CertificateAuthProfile	Severity: major Implicitly cleared: true Default probable cause: caProfileStateDown (1497)	Unspecified
<b>Description:</b> The alarm is raised when Certificate Authority profile changes state to 'down' due to tmnxSecNotifFailureReason.		
<b>Remedial action:</b> The Certificate Authority profile changes state to 'down'. Depending on the reason specified, corrective action should be taken		

Table 39-140 CardCPUAboveThreshold

Alarm	Attributes	Applicable major releases
Name: CardCPUAboveThreshold (618) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: CardCPUUtilizationCrossedAboveThreshold (458)	Unspecified
<b>Description:</b> The alarm is raised when the card CPU usage exceeds the threshold value.		
<b>Remedial action:</b> Informational - The CPU of the card indicated in the alarm is overloaded. If the condition persists then processing load should be transferred from this card to other cards which are more lightly loaded. If the problem persists then please contact Alcatel-Lucent support for assistance.		

Table 39-141 CardMemoryAboveThreshold

Alarm	Attributes	Applicable major releases
Name: CardMemoryAboveThreshold (619) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: CardMemoryUtilizationCrossedAboveThreshold (459)	Unspecified
<b>Description:</b> The alarm is raised when the card memory usage exceeds the threshold value.		
<b>Remedial action:</b> Informational - The memory of the card indicated in the alarm is over utilized. If the condition persists then processing load should be transferred from this card to other cards which are more lightly loaded in order to reduce memory consumption. If the problem persists then please contact Alcatel-Lucent support for assistance.		

Table 39-142 CardRxAboveThreshold

Alarm	Attributes	Applicable major releases
Name: CardRxAboveThreshold (620) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardRxUtilizationCrossedAboveThreshold (460)	Unspecified
<b>Description:</b> The alarm is raised when the card Rx exceeds the threshold value.		
<b>Remedial action:</b> The utilization of the card is higher than normal. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-143 CardRxTxAboveThreshold

Alarm	Attributes	Applicable major releases
Name: CardRxTxAboveThreshold (621) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardRxTxUtilizationCrossedAboveThreshold (461)	Unspecified
<b>Description:</b> The alarm is raised when the card Tx exceeds the threshold value.		
<b>Remedial action:</b> The utilization of the card is higher than normal. If the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 39-144 CardUnseated

Alarm	Attributes	Applicable major releases
Name: CardUnseated (1161) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: true Default probable cause: CardUnseated (864)	Unspecified
<b>Description:</b> The alarm is raised when a card is removed.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-145 CeAddressIncompatible

Alarm	Attributes	Applicable major releases
Name: CeAddressIncompatible (251) Type: configurationAlarm (11) Package: ipipe Raised on class: ipipe.Ipipe	Severity: major Implicitly cleared: true Default probable cause: ceAddressIncompatible (190)	Unspecified
<b>Description:</b> The alarm is raised when two SAPs in an Ipipe have the same CE IP address, or when the CE IP address is not the same as the CE IP address of the peer SDP binding.		
<b>Raising condition:</b> ('ceAddressIncompatible' EQUAL 'true')		
<b>Clearing condition:</b> ('ceAddressIncompatible' EQUAL 'false')		
<b>Remedial action:</b> Modify the CE Address so that it's not same address as other SAPs and it matches the address of the peer SDP binding.		

Table 39-146 CheckpointLimitAt75Percent

Alarm	Attributes	Applicable major releases
Name: CheckpointLimitAt75Percent (425) Type: configurationAlarm (11) Package: topology Raised on class: topology.TopologyManager	Severity: warning Implicitly cleared: false Default probable cause: tooManyCheckpoints (337)	Unspecified
<b>Description:</b> The alarm is raised when the number of check points reaches 75 percent of the maximum allowed value.		
<b>Remedial action:</b> Informational - deprecated 9.0		



Table 39-147 CheckpointLimitReachedOrExceeded

Alarm	Attributes	Applicable major releases
Name: CheckpointLimitReachedOrExceeded (426) Type: configurationAlarm (11) Package: topology Raised on class: topology.TopologyManager	Severity: warning Implicitly cleared: false Default probable cause: tooManyCheckpointObjects (837)	Unspecified
<b>Description:</b> The alarm is raised when the number of check points objects reaches or exceeds the maximum allowed value.		
<b>Remedial action:</b> Maximum number of Checkpoint objects reached, the IGP history cleanup task begins and removes older objects. To keep history increase maximumNumberOfCheckpointObjects in nms-server.xml.		

Table 39-148 ChildTemplateInvalid

Alarm	Attributes	Applicable major releases
Name: ChildTemplateInvalid (193) Type: configurationAlarm (11) Package: template Raised on class: template.TemplateBinding	Severity: major Implicitly cleared: true Default probable cause: referencedObjectInvalid (152)	Unspecified
<b>Description:</b> The alarm is raised when a child template in a template binding is invalid. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
<b>Raising condition:</b> ('childTemplateInvalidReference' EQUAL 'true')		
<b>Clearing condition:</b> ('childTemplateInvalidReference' EQUAL 'false')		
<b>Remedial action:</b> Informational - deprecated 6.0		

Table 39-149 CliLoginMaxAttempts

Alarm	Attributes	Applicable major releases
Name: CliLoginMaxAttempts (3701) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: cliLoginMaxAttempts (1439)	Unspecified
<b>Description:</b> The alarm is raised when the number of CLI login failures due to an incorrect user name or password using TELNET session exceeds the configured value.		
<b>Remedial action:</b> Informational		

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Table 39-150 ClockFailure

Alarm	Attributes	Applicable major releases
Name: ClockFailure (1162) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: clockFailure (865)	Unspecified
<b>Description:</b> The alarm is raised when an MPT radio clock failure occurs.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-151 CModeRxQueryMismatch

Alarm	Attributes	Applicable major releases
Name: CModeRxQueryMismatch (160) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: InvalidCompatibilityModeofQueryReceieved (130)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP interface receives an IGMP query of a higher version than the version configured on the interface, for example, when the interface is configured for IGMPv1 and it receives an IGMPv2 or IGMPv3 query. The interface does not process the received IGMP message.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-152 CommonLOS

Alarm	Attributes	Applicable major releases
Name: CommonLOS (3621) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: commonLOS (1410)	Unspecified
<b>Description:</b> The alarm is raised when a radio interface CLA detects a loss of signal.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-153 CommunityMisconfiguration

Alarm	Attributes	Applicable major releases
Name: CommunityMisconfiguration (442) Type: serviceAlarm (16) Package: vprn Raised on class: vprn.AbstractSite	Severity: major Implicitly cleared: true Default probable cause: CommunityMisconfiguration (347)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a community misconfiguration on a service site.		
<b>Remedial action:</b> Configure the SNMP community String on the VPRN service site		

Table 39-154 ConfigFileSyncFailed

Alarm	Attributes	Applicable major releases
Name: ConfigFileSyncFailed (102) Type: equipmentAlarm (3) Package: sw Raised on class: sw.SoftwareUpgradeManager	Severity: critical Implicitly cleared: true Default probable cause: configFileSyncFailed (88)	Unspecified
<b>Description:</b> The alarm is raised when the configuration file synchronization between the active and standby CPM cards fails.		
<b>Remedial action:</b> Please log into the NE in question via CLI and execute a manual synchronization. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-155 ConfigNotCompatible

Alarm	Attributes	Applicable major releases
Name: ConfigNotCompatible (405) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PhysicalPort	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigNotCompatible (301)	Unspecified
<b>Description:</b> The alarm is raised when an MDA configuration is incompatible with the MDA.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The MDA type configured for the slot identified in the alarm must match the installed MDA type.		

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Table 39-156 Connected2GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Connected2GUEsExceeded (5041) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of Connected 2G UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('2G Connected UEs Threshold' NOT EQUAL '0L') AND ('2G Connected UEs' > '2G Connected UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-157 Connected3GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Connected3GUEsExceeded (5042) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of Connected 3G UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('3G Connected UEs Threshold' NOT EQUAL '0L') AND ('3G Idle UEs' > '3G Connected UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-158 Connected4GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Connected4GUEsExceeded (5043) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of 4G Connected UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('4G Connected UEs Threshold' NOT EQUAL '0L') AND ('4G Connected UEs' > '4G Connected UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-159 ContainingEquipmentMissing

Alarm	Attributes	Applicable major releases
Name: ContainingEquipmentMissing (463) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: ContainingEquipmentMissing (327)	Unspecified
<b>Description:</b> The alarm is raised when the compositeEquipmentState attribute has a value of containingEquipmentMissing.		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Parent Removed') OR ('isTerminatable' NOT EQUAL 'true') OR ('Equipped' EQUAL 'false'))		
<b>Remedial action:</b> Informational - an card has been removed from the system.		

Table 39-160 CorporateAndSecuredCompositeServicesAreNotConnected

Alarm	Attributes	Applicable major releases
Name: CorporateAndSecuredCompositeServicesAreNotConnected (828) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecSecuredVpn	Severity: warning Implicitly cleared: false Default probable cause: CompositeServiceMisconfiguration (591)	Unspecified
<b>Description:</b> The alarm is raised when the corporate and secured services used by an IPsec VPN do not have a connector between them.		
<b>Raising condition:</b> ('corporateToSecureServiceConnector' EQUAL 'Not Connected')		
<b>Clearing condition:</b> (('corporateToSecureServiceConnector' EQUAL 'Connected') OR ('corporateToSecureServiceConnector' EQUAL 'None'))		
<b>Remedial action:</b> Create a connector to connect the Corporate service and Secured service.		

Table 39-161 CorporateAndSecuredCompositeServicesMismatch

Alarm	Attributes	Applicable major releases
Name: CorporateAndSecuredCompositeServicesMismatch (829) Type: serviceAlarm (16) Package: ipsec Raised on class: ipsec.IPSecSecuredVpn	Severity: warning Implicitly cleared: false Default probable cause: CompositeServiceMisconfiguration (591)	Unspecified
<b>Description:</b> The alarm is raised when the corporate and secured services used by an IPsec VPN are in different composite services.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-162 CorruptedBgpUpdate

Alarm	Attributes	Applicable major releases
Name: CorruptedBgpUpdate (3328) Type: topologyAlarm (34) Package: topology Raised on class: topology.BgpAutonomousSystem	Severity: major Implicitly cleared: false Default probable cause: CorruptedBgpUpdateDetected (1164)	Unspecified
<b>Description:</b> The alarm is raised when a BGP-bad-update-packet-received message is sent from the CPAA against a BGP AS. The alarm is not auto-cleared by CPAM.		
<b>Remedial action:</b> A peer is sending a corrupted BGP update. The information regarding the update can be viewed in the BGP corrupted update record. Action should be taken to fix the offending BGP speaker.		

Table 39-163 CouplingEthernetLinkDown

Alarm	Attributes	Applicable major releases
Name: CouplingEthernetLinkDown (4819) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfSignal (541)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a coupling Ethernet Link Down		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-164 CouplingLossOfRadioFrame

Alarm	Attributes	Applicable major releases
Name: CouplingLossOfRadioFrame (4820) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfFrame (1904)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a Loss of Radio Frame from Coupling Path		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-165 CouplingPortSFPCardFailure

Alarm	Attributes	Applicable major releases
Name: CouplingPortSFPCardFailure (4821) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
<b>Description:</b> This alarm is raised when coupling port SFP Card failure is detected.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-166 CouplingPortSFPMissing

Alarm	Attributes	Applicable major releases
Name: CouplingPortSFPMissing (4822) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitMissing (1906)	Unspecified
<b>Description:</b> This alarm is raised when coupling port SFP is missing.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-167 CpaaAreaUnreachableThroughISIS

Alarm	Attributes	Applicable major releases
Name: CpaaAreaUnreachableThroughISIS (5418) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
<b>Description:</b> The alarm is raised when all links from CPAA to an area are down.		
<b>Remedial action:</b> 1) The active CPAA cannot reach certain CPAA instance through the ISIS protocol. Please check the links to the unreachable CPAA instance. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

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Table 39-168 CpaAreaUnreachableThroughOSPF

Alarm	Attributes	Applicable major releases
Name: CpaAreaUnreachableThroughOSPF (5419) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpa	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
<b>Description:</b> The alarm is raised when all links from CPAA to OSPF area are down.		
<b>Remedial action:</b> 1) The active CPAA cannot reach certain area through the OSPF protocol. Please check the links to the unreachable area. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

Table 39-169 CpaAreaUnreachableThroughOSPFv3

Alarm	Attributes	Applicable major releases
Name: CpaAreaUnreachableThroughOSPFv3 (5420) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpa	Severity: major Implicitly cleared: true Default probable cause: CPAALinksToAreaDown (2125)	Unspecified
<b>Description:</b> The alarm is raised when all links from CPAA to OSPFv3 area are down.		
<b>Remedial action:</b> 1) The active CPAA cannot reach certain area through the OSPFv3 protocol. Please check the links to the unreachable area. 2) If the standby CPAA is functional as per your requirements, switch-over might resolve the issue.		

Table 39-170 CpmTimedLicenseExpiryNotice

Alarm	Attributes	Applicable major releases
Name: CpmTimedLicenseExpiryNotice (692) Type: cpmLicensingAlarm (39) Package: security Raised on class: security.CpmLicense	Severity: variable Implicitly cleared: false Default probable cause: timedcpmLicenseExpiryNotice (293)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM license timer expires. The alarm information includes the license expiry date.		
<b>Remedial action:</b> Informational - the CPAM license key is about to expire. Please contact Alcatel-Lucent Sales to request either an extension for the license or a permanent license key.		



Table 39-171 CpeUnreachable

Alarm	Attributes	Applicable major releases
Name: CpeUnreachable (525) Type: communicationsAlarm (4) Package: rtr Raised on class: rtr.StaticRoute	Severity: major Implicitly cleared: true Default probable cause: CpeUnreachable (334)	Unspecified
<b>Description:</b> The alarm is raised when the CPE associated with a static route is unreachable.		
<b>Remedial action:</b> Please check that the static route is correct or exists for the CPE.		

Table 39-172 CPMPChipMemoryEvent

Alarm	Attributes	Applicable major releases
Name: CPMPChipMemoryEvent (4989) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.ProcessorCard	Severity: warning Implicitly cleared: true Default probable cause: memoryParityError (451)	Unspecified
<b>Description:</b> The alarm is raised when a PChip detects a memory error. The alarm is raised against a 7450 ESS, 7710 SR, 7950 SR, or 7750 SR. The alarm is raised against a Release 11.0 NE at R4 or later.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-173 CPUInfo\_thermakTripAssert

Alarm	Attributes	Applicable major releases
Name: CPUInfo_thermakTripAssert (5892) Type: equipmentAlarm (3) Package: femto Raised on class: femto.FGWCPUInfo	Severity: minor Implicitly cleared: true Default probable cause: processorProblem (633)	Unspecified
<b>Description:</b> Thermal trip assert		
<b>Remedial action:</b> TBD		

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Table 39-174 CreditControlInsertedFtrEntryDropped

Alarm	Attributes	Applicable major releases
Name: CreditControlInsertedFtrEntryDropped (1150) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: false Default probable cause: FilterEntryDropped (856)	Unspecified
<b>Description:</b> The alarm is raised when a request to insert a filter entry is not successful for a credit control application.		
<b>Remedial action:</b> A Configuration error has occurred. The request to insert a filter entry was not successful for Credit Control application. Check the configuration filter entry.		

Table 39-175 CreditControlInsertSpaceThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: CreditControlInsertSpaceThresholdAlarm (1149) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: major Implicitly cleared: true Default probable cause: UtilizationExceedConfiguredLimit (855)	Unspecified
<b>Description:</b> The alarm is raised when the utilization of a filter entry range that is reserved for filter entry insertion increases to the configured maximum value for a credit control application insert range.		
<b>Remedial action:</b> The filter entry range reserved for filter entry insertion has increased to the configured high watermark for Credit Control application. Make an adjusted to the high watermark or to the filter.		

Table 39-176 CrossConnectionFail

Alarm	Attributes	Applicable major releases
Name: CrossConnectionFail (679) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: crossConnectionFail (494)	Unspecified
<b>Description:</b> The alarm is raised when an MSS TDM cross-connection fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

**Table 39-177 CTAuxMisalignmentWhileEnbAutoAllocationDisabled**

Alarm	Attributes	Applicable major releases
Name: CTAuxMisalignmentWhileEnbAutoAllocationDisabled (5423) Type: communicationsAlarm (4) Package: lte Raised on class: lte.CallTraceSessionManager	Severity: major Implicitly cleared: true Default probable cause: eNBsAuxIPMisalignment (2126)	Unspecified
<b>Description:</b> The alarm is raised if automatic AUX allocation is disabled and if there is a discrepancy between the eNB configurations and the AUX assigned to the eNB in SAM. If the automatic AUX allocation is enabled, SAM will automatically set the eNB IP addresses linked to the trace management on the assigned AUX in SAM.		
<b>Remedial action:</b> Manually launch the allocation of the eNBs to the active CT AUX server.		

**Table 39-178 DatabaseServerErrors**

Alarm	Attributes	Applicable major releases
Name: DatabaseServerErrors (5174) Type: databaseAlarm (29) Package: db Raised on class: db.DatabaseManager	Severity: critical Implicitly cleared: false Default probable cause: DatabaseErrors (2090)	Unspecified
<b>Description:</b> The alarm is raised when when a critical Oracle error occurs.		
<b>Remedial action:</b> The probable cause of this alarm is the database server detected a critical error. The EmsDbServerHealth.log and oracle trace files will provide more information.		

**Table 39-179 DataChannelLoopback**

Alarm	Attributes	Applicable major releases
Name: DataChannelLoopback (3945) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DataChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: dataChannelLoopback (1526)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a data channel has a loopback alarm condition.		
<b>Remedial action:</b> Informational only.		

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Table 39-180 DataMtReused

Alarm	Attributes	Applicable major releases
Name: DataMtReused (361) Type: dataMtReusedAlarm (37) Package: pim Raised on class: pim.DataMtInterface	Severity: warning Implicitly cleared: false Default probable cause: DataMtReused (258)	Unspecified
<b>Description:</b> The alarm is raised when a data MDT is reused.		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Please check MVPN Selective Tunnel Data MT Interface configuration so that no duplicate C (S,G) is mapped to a data MDT.		

Table 39-181 DaughterCardConfigNotCompatible

Alarm	Attributes	Applicable major releases
Name: DaughterCardConfigNotCompatible (404) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.DaughterCardSlot	Severity: critical Implicitly cleared: false Default probable cause: DaughterCardConfigNotCompatible (301)	Unspecified
<b>Description:</b> The alarm is raised when a supported MDA is inserted into a compatible IOM slot, but the configuration on the MDA ports is not compatible with the MDA.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The configuration of one or more ports must be changed to match the ports on the MDA.		

Table 39-182 DDosCardFpEventOverflow

Alarm	Attributes	Applicable major releases
Name: DDosCardFpEventOverflow (4460) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
<b>Description:</b> The alarm is raised when a flood of distributed CPU FP protection events occur on a particular card and some of the events are lost due to event throttling mechanism.		
<b>Remedial action:</b> Please reduce the number of distributed DoS FP protection policers configured.		

Table 39-183 DDosCardSapEventOverflow

Alarm	Attributes	Applicable major releases
Name: DDosCardSapEventOverflow (4461) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
<b>Description:</b> The alarm is raised when a flood of distributed CPU protection SAP events occur on a particular card and some of the events are lost due to event throttling mechanism.		
<b>Remedial action:</b> Please reduce the number of distributed DoS SAP protection policers configured.		

Table 39-184 DDosCardVrtrIfEventOverflow

Alarm	Attributes	Applicable major releases
Name: DDosCardVrtrIfEventOverflow (4462) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: eventOverflow (1684)	Unspecified
<b>Description:</b> The alarm is raised when a flood of distributed CPU protection network-interface events occur on a particular card and some of the events are lost due to event throttling mechanism.		
<b>Remedial action:</b> Please reduce the number of distributed DoS Network Interface protection policers configured.		

Table 39-185 DDosFpDynamicPoolUsageHigh

Alarm	Attributes	Applicable major releases
Name: DDosFpDynamicPoolUsageHigh (4463) Type: securityServiceOrMechanismViolation (92) Package: equipment Raised on class: equipment.ForwardingPlane	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when the dynamic enforcement policer pool usage on the forwarding plane is nearly exhausted.		
<b>Remedial action:</b> Please adjust the dynamic enforcement policer pool usage.		

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Table 39-186 Degrade

Alarm	Attributes	Applicable major releases
Name: Degrade (622) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: degrade (462)	Unspecified
<b>Description:</b> The alarm is raised when a degraded signal is detected.		
<b>Remedial action:</b> The signal being received on the indicated port is of poor quality. Check to ensure that the physical link is not damaged and that the link is properly connected/seated to the port.		

Table 39-187 DemFail (equipment)

Alarm	Attributes	Applicable major releases
Name: DemFail (680) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: demFail (495)	Unspecified
<b>Description:</b> The alarm is raised when an MSS demodulation function fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-188 DemFail (radioequipment)

Alarm	Attributes	Applicable major releases
Name: DemFail (680) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: demFail (495)	Unspecified
<b>Description:</b> The alarm is raised when an MSS demodulation function fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-189 DemodulatorUnlocked

Alarm	Attributes	Applicable major releases
Name: DemodulatorUnlocked (4823) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: DemodulationFailure (1907)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects demodulation failure.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-190 DemXpicLOS (equipment)

Alarm	Attributes	Applicable major releases
Name: DemXpicLOS (3622) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: demXpicLos (1411)	Unspecified
<b>Description:</b> The alarm is raised when a loss of signal occurs during XPIC demodulation.		
<b>Remedial action:</b> The alarm is raised when a loss of signal occurs on XPIC demodulation		

Table 39-191 DemXpicLOS (mpr)

Alarm	Attributes	Applicable major releases
Name: DemXpicLOS (3622) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: demXpicLos (1411)	Unspecified
<b>Description:</b> The alarm is raised when a loss of signal occurs during XPIC demodulation.		
<b>Remedial action:</b> The alarm is raised when a loss of signal occurs on XPIC demodulation		

Table 39-192 DependentObjectDeleted

Alarm	Attributes	Applicable major releases
Name: DependentObjectDeleted (192) Type: configurationAlarm (11) Package: template Raised on class: template.Template	Severity: major Implicitly cleared: true Default probable cause: referencedObjectGone (151)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an object referenced by a template cannot be found. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
<b>Raising condition:</b> ('Invalid References (Reset on Save)' EQUAL 'true')		
<b>Clearing condition:</b> ('Invalid References (Reset on Save)' EQUAL 'false')		
<b>Remedial action:</b> Informational - deprecated 6.0		

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Table 39-193 DeployProfileFailed

Alarm	Attributes	Applicable major releases
Name: DeployProfileFailed (610) Type: configurationAlarm (11) Package: autoconfig Raised on class: autoconfig.AutoProvisioning	Severity: major Implicitly cleared: false Default probable cause: DeployProfileFailed (453)	Unspecified
<b>Description:</b> The alarm is raised when the deployment of a script to a 7705 SAR fails.		
<b>Remedial action:</b> Informational - Please revisit target node configuration.		

Table 39-194 Deregistered4GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Deregistered4GUEsExceeded (5044) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of 4G Deregistered UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('4G Deregistered UEs Threshold' NOT EQUAL '0L') AND ('4G Deregistered UEs' > '4G Deregistered UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-195 DfPeerDown

Alarm	Attributes	Applicable major releases
Name: DfPeerDown (3304) Type: EpclIAAlarm (102) Package: Iteli Raised on class: Iteli.DfPeer	Severity: major Implicitly cleared: true Default probable cause: DfPeerDown (1151)	Unspecified
<b>Description:</b> The alarm is raised on a Delivery Function that is operationally down.		

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Alarm	Attributes	Applicable major releases
<b>Raising condition:</b> (('isLocal' EQUAL 'true') AND ('Operational State' NOT EQUAL 'In Service'))		
<b>Clearing condition:</b> NOT (((('isLocal' EQUAL 'true') AND ('Operational State' NOT EQUAL 'In Service'))))		
<b>Remedial action:</b> A TCP connection failure associated with a Delivery Function has occurred. The underlying transport network is unreliable. Please correct the issue within the transport network.		

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Table 39-196 DHCPFoLeaseUpdateFailedAddressConflict

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedAddressConflict (5159) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedAddressConflict (2079)	Unspecified
<b>Description:</b> This alarm is raised when a address conflict lease update received from the failover peer cannot be processed successfully. This DHCP pool instance has already leased another address to this host.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. This DHCP pool instance has already leased another address to this host. Please ensure all configurations are correct.		

Table 39-197 DHCPFoLeaseUpdateFailedfoShutdown

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedfoShutdown (5167) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedfoShutdown (2087)	Unspecified
<b>Description:</b> This alarm is raised when a shutdown lease update received from the failover peer cannot be processed successfully. The failover state of this DHCP Pool instance is 'shutdown'.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. The failover state of this DHCP Pool instance is 'shutdown'. Please ensure all configurations are correct.		

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Table 39-198 DHCPFoLeaseUpdateFailedHostConflict

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedHostConflict (5160) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedHostConflict (2080)	Unspecified
<b>Description:</b> This alarm is raised when a host conflict lease update received from the failover peer cannot be processed successfully. This DHCP pool instance has already leased this address to another host.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. This DHCP pool instance has already leased this address to another host. Please ensure all configurations are correct.		

Table 39-199 DHCPFoLeaseUpdateFailedLeaseExpired

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedLeaseExpired (5161) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedLeaseExpired (2081)	Unspecified
<b>Description:</b> This alarm is raised when a lease expired lease update received from the failover peer cannot be processed successfully. The lease received from the peer has expired.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. The lease received from the peer has expired. Please ensure all configurations are correct.		

Table 39-200 DHCPFoLeaseUpdateFailedMaxLeaseReached

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedMaxLeaseReached (5162) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedMaxLeaseReached (2082)	Unspecified
<b>Description:</b> This alarm is raised when a maximum reached lease update received from the failover peer cannot be processed successfully. The maximum number of leases is already reached.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. The maximum number of leases is already reached. Please ensure all configurations are correct.		

**Table 39-201 DHCPFoLeaseUpdateFailedPeerConflict**

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedPeerConflict (5163) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedPeerConflict (2083)	Unspecified
<b>Description:</b> This alarm is raised when a peer conflict lease update received from the failover peer cannot be processed successfully. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP pool instance.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP pool instance. Please ensure all configuration is correct.		

**Table 39-202 DHCPFoLeaseUpdateFailedPersistenceCongested**

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedPersistenceCongested (5164) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedPersistenceCongested (2084)	Unspecified
<b>Description:</b> This alarm is raised when a persistence congested lease update received from the failover peer cannot be processed successfully. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload. Please ensure all configuration is correct.		

**Table 39-203 DHCPFoLeaseUpdateFailedRangeNotFound**

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedRangeNotFound (5165) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedRangeNotFound (2085)	Unspecified
<b>Description:</b> This alarm is raised when a range not found lease update received from the failover peer cannot be processed successfully. No valid include range for this lease could be found.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. No valid include range for this lease could be found. Please ensure all configurations are correct.		

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Table 39-204 DHCPFoLeaseUpdateFailedSubnetNotFound

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedSubnetNotFound (5166) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpPoolFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedSubnetNotFound (2086)	Unspecified
<b>Description:</b> This alarm is raised when a subnet not found lease update received from the failover peer cannot be processed successfully. No valid subnet for this lease could be found.		
<b>Remedial action:</b> This alarm indicates that the Local DHCP Pool Failover lease update has failed. Packets received from the failover peer cannot be processed. No valid subnet for this lease could be found. Please ensure all configurations are correct.		

Table 39-205 DHCPFoLeaseUpdateFailedAddressConflict

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedAddressConflict (4977) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedAddressConflict (2032)	Unspecified
<b>Description:</b> This alarm is raised when a address conflict lease update received from the failover peer cannot be processed successfully. This DHCP server instance has already leased another address to this host.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. This DHCP server instance has already leased another address to this host. Please ensure all configuration is correct.		

Table 39-206 DHCPFoLeaseUpdateFailedfoShutdown

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedfoShutdown (4985) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedfoShutdown (2040)	Unspecified
<b>Description:</b> This alarm is raised when a shutdown lease update received from the failover peer cannot be processed successfully. The failover state of this DHCP Server instance is 'shutdown'.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The failover state of this DHCP Server instance is 'shutdown'. Please ensure all configuration is correct.		

Table 39-207 DHCPFoLeaseUpdateFailedHostConflict

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedHostConflict (4978) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedHostConflict (2033)	Unspecified
<b>Description:</b> This alarm is raised when a host conflict lease update received from the failover peer cannot be processed successfully. This DHCP server instance has already leased this address to another host.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. This DHCP server instance has already leased this address to another host. Please ensure all configuration is correct.		

Table 39-208 DHCPFoLeaseUpdateFailedLeaseExpired

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedLeaseExpired (4979) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedLeaseExpired (2034)	Unspecified
<b>Description:</b> This alarm is raised when a lease expired lease update received from the failover peer cannot be processed successfully. The lease received from the peer has expired.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The lease received from the peer has expired. Please ensure all configuration is correct.		

Table 39-209 DHCPFoLeaseUpdateFailedMaxLeaseReached

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedMaxLeaseReached (4980) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedMaxLeaseReached (2035)	Unspecified
<b>Description:</b> This alarm is raised when a maximum reached lease update received from the failover peer cannot be processed successfully. The maximum number of leases is already reached.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The maximum number of leases is already reached. Please ensure all configuration is correct.		

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Table 39-210 DHCPFoLeaseUpdateFailedPeerConflict

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedPeerConflict (4981) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedPeerConflict (2036)	Unspecified
<b>Description:</b> This alarm is raised when a peer conflict lease update received from the failover peer cannot be processed successfully. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The failover peer has leased an address within a subnet range of which the failover control is set to 'local' on this local DHCP server instance. Please ensure all configuration is correct.		

Table 39-211 DHCPFoLeaseUpdateFailedPersistenceCongested

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedPersistenceCongested (4982) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedPersistenceCongested (2037)	Unspecified
<b>Description:</b> This alarm is raised when a persistence congested lease update received from the failover peer cannot be processed successfully. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. The lease received from the peer can not be persistently stored because the persistence subsystem is in overload. Please ensure all configuration is correct.		

Table 39-212 DHCPFoLeaseUpdateFailedRangeNotFound

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedRangeNotFound (4983) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedRangeNotFound (2038)	Unspecified
<b>Description:</b> This alarm is raised when a range not found lease update received from the failover peer cannot be processed successfully. No valid include range for this lease could be found.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. No valid include range for this lease could be found. Please ensure all configuration is correct.		

Table 39-213 DHCPFoLeaseUpdateFailedSubnetNotFound

Alarm	Attributes	Applicable major releases
Name: DHCPFoLeaseUpdateFailedSubnetNotFound (4984) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcpServerFailover	Severity: warning Implicitly cleared: false Default probable cause: DHCPFoLeaseUpdateFailedSubnetNotFound (2039)	Unspecified
<b>Description:</b> This alarm is raised when a subnet not found lease update received from the failover peer cannot be processed successfully. No valid subnet for this lease could be found.		
<b>Remedial action:</b> This alarm indicates the Local DHCP Server Failover lease update has failed. Packet received from the failover peer, cannot be processed successfully. No valid subnet for this lease could be found. Please ensure all configuration is correct.		

Table 39-214 DiamAppMessageDropped

Alarm	Attributes	Applicable major releases
Name: DiamAppMessageDropped (5175) Type: processingErrorAlarm (81) Package: diameter Raised on class: diameter.DiameterPeer	Severity: minor Implicitly cleared: false Default probable cause: diamAppMessageDropped (2091)	Unspecified
<b>Description:</b> The alarm is raised when the Diameter protocol has dropped a message		
<b>Remedial action:</b> The recovery action depends on the exact cause of the failure. See the Additional Text field in the Alarm Info form for a specific cause for the failure.		

Table 39-215 DiamAppSessionFailure

Alarm	Attributes	Applicable major releases
Name: DiamAppSessionFailure (5410) Type: processingErrorAlarm (81) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: minor Implicitly cleared: false Default probable cause: diamAppSessionFailure (2118)	Unspecified
<b>Description:</b> The alarm is raised when the Diameter protocol has a session failure.		
<b>Remedial action:</b> The recovery action depends on the exact cause of the failure. See the Additional Text field in the Alarm Info form for a specific cause for the failure.		

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Table 39-216 DiskCapacityProblem

Alarm	Attributes	Applicable major releases
Name: DiskCapacityProblem (144) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: variable Implicitly cleared: false Default probable cause: diskCapacityProblem (115)	Unspecified
<b>Description:</b> The alarm is raised when a compact flash capacity threshold value on an NE is reached or exceeded. The alarm condition is detected during resynchronization or when a tnmxEqFlashDiskFull trap is received. The threshold value is not configurable. The severity of the alarm depends on the percentage of disk capacity used, as listed below: - 75 percent, Minor - 90 percent, Major - 100 percent, Critical		
<b>Remedial action:</b> The usage of the compact flash device must be analysed and old or redundant files must be removed. This operation must be executed using the CLI interface on the NE.		

Table 39-217 DryContactAlarm

Alarm	Attributes	Applicable major releases
Name: DryContactAlarm (460) Type: dryContactAlarm (47) Package: equipment Raised on class: equipment.DryContact	Severity: variable Implicitly cleared: false Default probable cause: dryContactExternalAlarmRaised (351)	Unspecified
<b>Description:</b> The alarm is raised when a device detects a dry contact alarm condition.		
<b>Remedial action:</b> The remedial action for this alarm depends on the condition that the dry contact alarm is configured.		

Table 39-218 DS1E1Loopback

Alarm	Attributes	Applicable major releases
Name: DS1E1Loopback (409) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DS1E1ChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ds1e1Loopback (305)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a specific DS1 or E1 channel has a loopback alarm condition.		
<b>Remedial action:</b> Informational only.		



Table 39-219 DS3E3Loopback

Alarm	Attributes	Applicable major releases
Name: DS3E3Loopback (408) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.DS3E3ChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: ds3e3Loopback (304)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a specific DS3 or E3 channel has a loopback alarm condition.		
<b>Remedial action:</b> Informational only.		

Table 39-220 DscPlatformLicenseKeyExpiredAlarm

Alarm	Attributes	Applicable major releases
Name: DscPlatformLicenseKeyExpiredAlarm (1133) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: major Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyExpired (841)	Unspecified
<b>Description:</b> The alarm is raised when the DSC platform license key is expired.		
<b>Remedial action:</b> Contact Alcatel-Lucent support to obtain new DSC license key		

Table 39-221 DscPlatformLicenseKeyExpiringAlarm

Alarm	Attributes	Applicable major releases
Name: DscPlatformLicenseKeyExpiringAlarm (1134) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: minor Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyExpiring (842)	Unspecified
<b>Description:</b> The alarm is raised when the DSC platform license key is expiring.		
<b>Remedial action:</b> Contact Alcatel-Lucent support to obtain new DSC license key		

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Table 39-222 DscPlatformLicenseKeyHighWaterAlarm

Alarm	Attributes	Applicable major releases
Name: DscPlatformLicenseKeyHighWaterAlarm (1135) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: minor Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyHighWaterMarkCrossed (843)	Unspecified
<b>Description:</b> The alarm is raised when the 5780 DSC license key crosses the high watermark for a specified threshold.		
<b>Remedial action:</b> Contact Alcatel-Lucent support to obtain new DSC license key		

Table 39-223 DscPlatformLicenseKeyLowWaterAlarm

Alarm	Attributes	Applicable major releases
Name: DscPlatformLicenseKeyLowWaterAlarm (1136) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: info Implicitly cleared: false Default probable cause: DscPlatformLicenseKeyLowWaterMarkCrossed (844)	Unspecified
<b>Description:</b> The alarm is raised when the 5780 DSC license key crosses the low watermark for a specified threshold.		
<b>Remedial action:</b> Contact Alcatel-Lucent support to obtain new DSC license key		

Table 39-224 DscPlatformLicenseKeyThresholdReachedAlarm

Alarm	Attributes	Applicable major releases
Name: DscPlatformLicenseKeyThresholdReachedAlarm (1137) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.DynamicServicesControllerInstance	Severity: major Implicitly cleared: true Default probable cause: DscPlatformLicenseKeyThresholdReached (845)	Unspecified
<b>Description:</b> The alarm is raised when the 5780 DSC license key reaches a specified threshold.		
<b>Remedial action:</b> NContact Alcatel-Lucent support to obtain new DSC license key		

Table 39-225 DualEndedLossNotSupported

Alarm	Attributes	Applicable major releases
Name: DualEndedLossNotSupported (1194) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.MaintAssociation	Severity: warning Implicitly cleared: true Default probable cause: dualEndedLossNotSupported (895)	Unspecified
<b>Description:</b> The alarm is raised when a MEP that does not support Y1731 Dual Ended Loss test is participating in a CFM Continuity Check test that has Y1731 Dual Ended Loss test enabled.		
<b>Remedial action:</b> Informational - The alarm is raised when at least one MEP that does not support Y1731 Dual Ended Loss test is participating in a CFM Continuity Check test that has Y1731 Dual Ended Loss test enabled.		

Table 39-226 DualEndedLossThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: DualEndedLossThresholdAlarm (1195) Type: oamAlarm (18) Package: ethernetToam Raised on class: ethernetToam.Mep	Severity: minor Implicitly cleared: true Default probable cause: dualEndedLossThresholdExceeded (896)	Unspecified
<b>Description:</b> The alarm is raised when a MEP reports that either the Local or Remote loss ratio has exceeded the configured threshold for the specified remote MEP.		
<b>Remedial action:</b> Informational - The alarm is raised when a MEP reports that either the Local or Remote loss ratio has exceeded the configured threshold for the specified remote MEP.		

Table 39-227 DualMaster

Alarm	Attributes	Applicable major releases
Name: DualMaster (420) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: dualMaster (313)	Unspecified
<b>Description:</b> The alarm is raised when the local and remote SRRP instances are in the master state.		
<b>Remedial action:</b> Shut down one of the peer SRRP instances, modify the priority to a larger value (lower priority) and then turn it up.		

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Table 39-228 duplicateAdminGroupName

Alarm	Attributes	Applicable major releases
Name: duplicateAdminGroupName (4895) Type: configurationAlarm (11) Package: svt Raised on class: svt.TunnelAdminGroup	Severity: warning Implicitly cleared: true Default probable cause: duplicateNameExists (1953)	Unspecified
<b>Description:</b> The alarm is raised when two or more global Admin Groups share the same group name.		
<b>Remedial action:</b> Either change the admin group name to a different value, or delete this one and recreate it with a new name.		

Table 39-229 DuplicateIpAddress

Alarm	Attributes	Applicable major releases
Name: DuplicateIpAddress (5129) Type: configurationAlarm (11) Package: rtr Raised on class: rtr.VirtualRouterIpAddress	Severity: warning Implicitly cleared: true Default probable cause: duplicateIpAddress (2059)	Unspecified
<b>Description:</b> The alarm is raised when a duplicate routing instance IP Address is found on two or more different NEs.		
<b>Remedial action:</b> Verify to ensure the duplicate routing instance IP Address is not for dual homing or network redundancy configuration. Navigate to the Virtual Router Duplicate IP Addresses listing: (Tools -> Network Resources -> Virtual Router Duplicate IP Addresses), for more information on the duplicate IP address.		

Table 39-230 DuplicateRole

Alarm	Attributes	Applicable major releases
Name: DuplicateRole (470) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: twoElementsWithSameRole (356)	Unspecified
<b>Description:</b> The alarm is raised when a slot has the same primary or secondary role as another slot in the stack. The slot subsequently enters pass-through mode.		
<b>Remedial action:</b> Login to switch console, check and correct configuration and reload stack.		

Table 39-231 DuplicateRouteDistinguisher

Alarm	Attributes	Applicable major releases
Name: DuplicateRouteDistinguisher (4996) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: duplicateRouteDistinguisher (2050)	Unspecified
<b>Description:</b> The alarm is raised if a duplicate Route Distinguisher is configured on two different NE's on different VPRN Service.		
<b>Remedial action:</b> The Route Distinguisher has been configured on another L3 VPRN Site. Please check the value of Route Distinguisher under Routing tab of VPRN Routing Instance.		

Table 39-232 DuplicateSlot

Alarm	Attributes	Applicable major releases
Name: DuplicateSlot (468) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: duplicateSlotNINumber (354)	Unspecified
<b>Description:</b> The alarm is raised when a slot has the same slot number as another stack element. The slot must relinquish its operational status because it has a higher election key, based on the up time, slot number, and MAC address. Both slots subsequently enter pass-through mode.		
<b>Remedial action:</b> Login to switch console, correct the slot number and reload stack.		

Table 39-233 DuplicateVrfPolicy

Alarm	Attributes	Applicable major releases
Name: DuplicateVrfPolicy (229) Type: configurationAlarm (11) Package: I3fwd Raised on classes: <ul style="list-style-type: none"> <li>I3fwd.ServiceSiteImportPolicy</li> <li>I3fwd.ServiceSiteExportPolicy</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfPolicyExists (177)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a duplicate VRF policy in a VPRN. The alarm information includes the VRF policy ID and type, and information about the service site. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The duplicate VRF policy must be deleted. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

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Table 39-234 DuplicateVrfTarget

Alarm	Attributes	Applicable major releases
Name: DuplicateVrfTarget (230) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfTargetExists (178)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a duplicate VRF target in a VPRN. The alarm information includes the VRF policy ID and type, and information about the service site.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The duplicate VRF target must be deleted.		

Table 39-235 DyingGasp (equipment)

Alarm	Attributes	Applicable major releases
Name: DyingGasp (1164) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.CardSlot	Severity: major Implicitly cleared: false Default probable cause: dyingGaspSignal (463)	Unspecified
<b>Description:</b> The alarm is raised when a Dying Gasp trap is received to indicate a power failure.		
<b>Remedial action:</b> This alarm is raised by the node just before going down, this might be due to the fact that the power supply connected to the node is down or failed. Please make sure the power supply to the specific node is proper.		

Table 39-236 DyingGasp (netw)

Alarm	Attributes	Applicable major releases
Name: DyingGasp (1164) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: dyingGasp (1423)	Unspecified
<b>Description:</b> The alarm is raised when a 7210 SAS node has loss of power.		
<b>Remedial action:</b> This alarm is raised by the node just before going down, this might be due to the fact that the power supply connected to the node is down or failed. Please make sure the power supply to the specific node is proper.		

Table 39-237 DyingGaspSignal

Alarm	Attributes	Applicable major releases
Name: DyingGaspSignal (623) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.PhysicalPort	Severity: major Implicitly cleared: false Default probable cause: dyingGaspSignal (463)	Unspecified
<b>Description:</b> The alarm is raised when a Dying Gasp signal is received from a remote 7210 SAS to indicate a power loss.		
<b>Clearing condition:</b> ('state' EQUAL 'Link Up')		
<b>Remedial action:</b> This alarm is raised by the node to indicate that one of the neighbouring node which is directly connected to the specific port of this node has signaled that it's going down. This might be due to the fact that the power supply connected to the remote node is down or failed, please make sure the power supply to that specific remote node through the specific port (as found in the additional text field) is proper.		

Table 39-238 DynSvcIdRangeConflict

Alarm	Attributes	Applicable major releases
Name: DynSvcIdRangeConflict (4420) Type: DynSvcIdRangeConflict (126) Package: dynsvc Raised on class: dynsvc.DynSvcNeConfig	Severity: warning Implicitly cleared: true Default probable cause: DynSvcIdRangeConflict (1584)	Unspecified
<b>Description:</b> The alarm is raised when the configured Dynamic Service ID Range has conflicts with one or more Range Policies.		
<b>Remedial action:</b> A possible conflict currently exists between the Dynamic Service ID Range specified for this NE and one or more Range Policy entries. To clear the alarm, one of the two must change. This alarm may be benign if the the conflicting Range Policy and Dynamic Service ID Range were intended.		

Table 39-239 DynSvcSapFailure

Alarm	Attributes	Applicable major releases
Name: DynSvcSapFailure (4421) Type: DynSvcSapFailure (127) Package: dynsvc Raised on class: dynsvc.DynSvcNeConfig	Severity: warning Implicitly cleared: false Default probable cause: DynSvcSapFailure (1585)	Unspecified
<b>Description:</b> The DynSvcSapFailure alarm is raised when a Dynamic Services service SAP creation, modification or removal failed. If the SAP does not exist at the time of this notification, the value 'invalid portid' is put in the alarms sapPortId.'		
<b>Remedial action:</b> Ensure that the RADIUS server and python script specified by the Dynamic Service Policy is functioning correctly.		

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**Table 39-240 EarlyWarning (mwa)**

Alarm	Attributes	Applicable major releases
Name: EarlyWarning (681) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: EarlyWarning (1908)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects an early warning event.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

**Table 39-241 EarlyWarning (radioequipment)**

Alarm	Attributes	Applicable major releases
Name: EarlyWarning (681) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: earlyWarning (496)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects an early warning event.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

**Table 39-242 EcIdRxTxOrMacModified**

Alarm	Attributes	Applicable major releases
Name: EcIdRxTxOrMacModified (802) Type: configurationAlarm (11) Package: mpr Raised on class: mpr.MprVII	Severity: minor Implicitly cleared: false Default probable cause: ecIdRxTxOrMacModified (568)	Unspecified
<b>Description:</b> The alarm is raised when something other than the 5620 SAM deletes a service cross-connect and creates a new service cross-connect whose MAC address, EC ID Rx, or EC ID Tx value does not match the value in the original service.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		



Table 39-243 EMSysTimeOut

Alarm	Attributes	Applicable major releases
Name: EMSysTimeOut (8151) Type: communicationsAlarm (4) Package: hip Raised on class: hip.EMSystem	Severity: warning Implicitly cleared: false Default probable cause: excessiveResponseTime (1141)	Unspecified
<b>Description:</b> The alarm is raised when the time out is raised (the SAM to EMS request take too long time)		
<b>Remedial action:</b> NA#Remedial actions for modelRelease: LR_13_03, supported release: , version: 2.03		

Table 39-244 EncapsulationTypeIncompatible

Alarm	Attributes	Applicable major releases
Name: EncapsulationTypeIncompatible (250) Type: configurationAlarm (11) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: false Default probable cause: sapEncapsulationTypeIncompatible (189)	Unspecified
<b>Description:</b> The alarm is raised when the encapsulation types of two SAPs in the same lpipe are mismatched.		
<b>Raising condition:</b> ('encapsulationTypeIncompatible' EQUAL 'true')		
<b>Clearing condition:</b> ('encapsulationTypeIncompatible' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the encapsulation type of any two SAPs in I-Pipe service are not mismatched.		

Table 39-245 EndpointActiveObjectChanged

Alarm	Attributes	Applicable major releases
Name: EndpointActiveObjectChanged (437) Type: redundancyAlarm (52) Package: service Raised on class: service.Endpoint	Severity: warning Implicitly cleared: false Default probable cause: ServiceEndpointSwitchover (1442) Applicable probable causes: <ul style="list-style-type: none"> <li>ServiceEndpointSwitchover</li> <li>ForceSwitchover</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an automatic or manual endpoint switchover occurs.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-246 EndpointMacLimitReached

Alarm	Attributes	Applicable major releases
Name: EndpointMacLimitReached (444) Type: resourceAlarm (28) Package: vpls Raised on class: vpls.Endpoint	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives the svcEndpointMacLimitAlarmRaised trap from an NE, which indicates that the number of MAC addresses stored in the FDB for the endpoint exceeds the high watermark for the site FIB. The number of MAC addresses includes the static MAC addresses on the endpoint and the learned MAC addresses in the spoke SDPs that are associated with the endpoint. The alarm clears when the 5620 SAM receives the svcEndpointMacLimitAlarmCleared trap from the NE.		
<b>Remedial action:</b> Increase the high water mark for the site FIB to allow more entries to be added.		

Table 39-247 EPSAbnormalState

Alarm	Attributes	Applicable major releases
Name: EPSAbnormalState (3932) Type: epsAbnormalConditionAlarm (113) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: EPSProblem (1515)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to force switch/lockout operation in EPS mode.		
<b>Remedial action:</b> This alarm is raised when forced-switch/lockout command in EPS mode which led to an abnormal condition.		

Table 39-248 EPSPathDrillDownFailed

Alarm	Attributes	Applicable major releases
Name: EPSPathDrillDownFailed (847) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPSPath	Severity: major Implicitly cleared: true Default probable cause: EPSPathDrillDownFailed (604)	Unspecified
<b>Description:</b> The alarm is raised when the drilldown of an EPS path fails.		
<b>Raising condition:</b> ('State' EQUAL 'Failed')		
<b>Clearing condition:</b> ('State' NOT EQUAL 'Failed')		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The configured drill down hint does not match the underlying transport connectivity.		

Table 39-249 EPSPathReferencedObjectDeleted

Alarm	Attributes	Applicable major releases
Name: EPSPathReferencedObjectDeleted (848) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPSPathComponent	Severity: major Implicitly cleared: true Default probable cause: EPSPathReferencedObjectDeleted (605)	Unspecified
<b>Description:</b> The alarm is raised when a referenced object is deleted.		
<b>Raising condition:</b> ('componentPointer' EQUAL '\')		
<b>Clearing condition:</b> ('componentPointer' NOT EQUAL '\')		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-250 EthernetPortCrcFailure

Alarm	Attributes	Applicable major releases
Name: EthernetPortCrcFailure (3629) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: ethernetPortCrcFailure (1414)	Unspecified
<b>Description:</b> The alarm is raised when an Ethernet port CRC alarm condition is detected (Signal Degradation Threshold or Signal Failure Threshold exceeded).		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-251 EthernetPortInternalAlarm

Alarm	Attributes	Applicable major releases
Name: EthernetPortInternalAlarm (3630) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.EthernetPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: ethernetPortInternalAlarm (1415)	Unspecified
<b>Description:</b> The alarm is raised when an Ethernet port experiences excessive internal MAC tx errors. It is generated only when downOnInternalError is enabled on the port.		
<b>Remedial action:</b> This alarm indicates that the port (card) in question is likely faulty. Please replace the card with a card known to be functional.		

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Table 39-252 EthernetTunnelDown

Alarm	Attributes	Applicable major releases
Name: EthernetTunnelDown (771) Type: configurationAlarm (11) Package: ethernetTunnel Raised on class: ethernetTunnel.EthernetTunnel	Severity: major Implicitly cleared: true Default probable cause: ethernetTunnelDown (547)	Unspecified
<b>Description:</b> The alarm is raised when the aggregated Ethernet tunnel Operational State is Down.		
<b>Raising condition:</b> (('aggrEndPtOperationalState' EQUAL 'Down'))		
<b>Clearing condition:</b> (('aggrEndPtOperationalState' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Fix the error indicated in the alarm, e.g. port down, MEP down...		

Table 39-253 ExcessiveEnvironmentTemperature (equipment)

Alarm	Attributes	Applicable major releases
Name: ExcessiveEnvironmentTemperature (1118) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: excessiveEnvironmentTemp (830)	Unspecified
<b>Description:</b> The alarm is raised when MPT is overheated.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-254 ExcessiveEnvironmentTemperature (mpr)

Alarm	Attributes	Applicable major releases
Name: ExcessiveEnvironmentTemperature (1118) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: excessiveEnvironmentTemp (830)	Unspecified
<b>Description:</b> The alarm is raised when MPT is overheated.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-255 ExportPolicyNotFound

Alarm	Attributes	Applicable major releases
Name: ExportPolicyNotFound (231) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteExportPolicy	Severity: major Implicitly cleared: true Default probable cause: exportPolicyDoesNotExist (179)	Unspecified
<b>Description:</b> The alarm is raised when a VRF export policy for a VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The VRP export policy must be created and distributed to the NE reporting the problem. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 39-256 FanCommunicationProblem

Alarm	Attributes	Applicable major releases
Name: FanCommunicationProblem (5424) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: fanCommunicationProblem (2127)	Unspecified
<b>Description:</b> The alarm is raised when a communication problem with fan is detected.		
<b>Remedial action:</b> The alarm is raised when FAN communication Problem is detected on the subrack. Refer 9500 Node Maintenance manual for remedial action information		

Table 39-257 FanRPMAAlarm

Alarm	Attributes	Applicable major releases
Name: FanRPMAAlarm (1126) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Fan	Severity: variable Implicitly cleared: false Default probable cause: fanFailure (116)	Unspecified
<b>Description:</b> The alarm is raised when a fan alarm usage state is other than Normal.		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

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Table 39-258 FIBHighOccupancy

Alarm	Attributes	Applicable major releases
Name: FIBHighOccupancy (752) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: true Default probable cause: FIBHighOccupancy (528)	Unspecified
<b>Description:</b> The alarm is raised when the FIB occupancy on an IOM card changes from normal to high.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-259 FibOutOfSynch

Alarm	Attributes	Applicable major releases
Name: FibOutOfSynch (625) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: true Default probable cause: fibUpdateFailed (464)	Unspecified
<b>Description:</b> The alarm is raised when the FIB on an MDA is out of synchronization.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-260 FileTransferFailure

Alarm	Attributes	Applicable major releases
Name: FileTransferFailure (8152) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: fileTransferFailure (89)	Unspecified
<b>Description:</b> The alarm is raised when SAM cannot transfer a file from a Network Element due to one or more of the following causes: unreachable NE, remote file not found, authentication failure, file transfer interrupted, or lack of available local storage space.		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: SAM server has connectivity issue with NE; insufficient disk space on the SAM server to accommodate the file transfer being attempted; loss of connectivity to the NE during transfer; the FTP daemon on the NE may have stopped; FTP security credential issues.		

Table 39-261 FilterApplyPathProblem

Alarm	Attributes	Applicable major releases
Name: FilterApplyPathProblem (4904) Type: configurationAlarm (11) Package: filterprefixlist Raised on class: filterprefixlist.PrefixListApplyPathMember	Severity: minor Implicitly cleared: false Default probable cause: tFilterApplyPathProblem (1960)	Unspecified
<b>Description:</b> The alarm is raised when a problem is encountered for a configured IP PrefixList apply-path rule.		
<b>Remedial action:</b> Clear the alarm and verify the prefix-list configurations which might have reached the maximum limit. Try reducing the prefix-list/ apply-path members.		

Table 39-262 FilterEmbeddingOperStateChange

Alarm	Attributes	Applicable major releases
Name: FilterEmbeddingOperStateChange (4973) Type: configurationAlarm (11) Package: aclfilter Raised on class: aclfilter.FilterEmbeddedRefTable	Severity: minor Implicitly cleared: false Default probable cause: tFilterEmbeddingOperStateChange (2030)	Unspecified
<b>Description:</b> The alarm is raised when the embedding oper state change is other than in-service.		
<b>Remedial action:</b> The alarm is raised when the embedded filter operstate is other than inService. Remove and reapply the embedding to make operstate as inService.		

Table 39-263 FirmwareDownloadOnGoing (equipment)

Alarm	Attributes	Applicable major releases
Name: FirmwareDownloadOnGoing (626) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: firmwareDownloadOnGoing (465)	Unspecified
<b>Description:</b> The alarm is raised when a firmware download is in progress.		
<b>Remedial action:</b> Informational - Firmware for the equipment is downloading.		

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Table 39-264 FirmwareDownloadOnGoing (mpr)

Alarm	Attributes	Applicable major releases
Name: FirmwareDownloadOnGoing (626) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: firmwareDownloadOnGoing (465)	Unspecified
<b>Description:</b> The alarm is raised when a firmware download is in progress.		
<b>Remedial action:</b> Informational - Firmware for the equipment is downloading.		

Table 39-265 FirmwareMismatchAlarm

Alarm	Attributes	Applicable major releases
Name: FirmwareMismatchAlarm (146) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.Card	Severity: critical Implicitly cleared: true Default probable cause: bootRomVersionMismatch (119) Applicable probable causes: <ul style="list-style-type: none"> <li>bootRomVersionMismatch</li> <li>fpgaVersionMismatch</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when a device detects a mismatch between the firmware version and the device software image. The alarm information includes the expected firmware version.		
<b>Remedial action:</b> Either the firmware or the device SW must be upgraded to compatible versions. The image (firmware or device SW) which is the oldest should be upgraded. Firmware must be upgraded using the NE's CLI. 5620 SAM can be used to upgrade the SW image on the device.		

Table 39-266 FirmwareUpgradeAlarm

Alarm	Attributes	Applicable major releases
Name: FirmwareUpgradeAlarm (212) Type: firmwareAlarm (26) Package: equipment Raised on class: equipment.Card	Severity: info Implicitly cleared: false Default probable cause: firmwareUpgraded (169)	Unspecified
<b>Description:</b> The alarm is raised when a device automatically upgrades the firmware of a hot-inserted IOM or CPM.		
<b>Remedial action:</b> Informational - no corrective action required.		



Table 39-267 FlowRouteInvalid

Alarm	Attributes	Applicable major releases
Name: FlowRouteInvalid (2932) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: minor Implicitly cleared: false Default probable cause: flowRouteInvalid (1126)	Unspecified
<b>Description:</b> The alarm is raised when the received BGP flow route is invalid. The BGP peer does not create ip filter entry for the received flow route.		
<b>Remedial action:</b> The NE has received an invalid flow route from a 3rd party appliance which is monitoring the network for suspect traffic. This could be the result of corruption or a SW error on the 3rd party appliance. Please refer to the documentation supplied with appliance for assistance.		

Table 39-268 FlowspecUnsupportdComAction

Alarm	Attributes	Applicable major releases
Name: FlowspecUnsupportdComAction (2933) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Site	Severity: minor Implicitly cleared: false Default probable cause: unsupportdComAction (1127)	Unspecified
<b>Description:</b> The alarm is raised when the best route for a FlowSpec NLRI is received from a remote BGP peer with an extended community action that is unsupported.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-269 ForceQTagForwardingMisconfiguration (epipe)

Alarm	Attributes	Applicable major releases
Name: ForceQTagForwardingMisconfiguration (813) Type: configurationAlarm (11) Package: epipe Raised on class: epipe.Epipe	Severity: warning Implicitly cleared: true Default probable cause: forceQTagForwardingInconsistent (576)	Unspecified
<b>Description:</b> The alarm is raised when two I-sites in a service use different Force Q Tag Forwarding values.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent'))		
<b>Remedial action:</b> Check configuration so that I-sites in the service use same Force Q-Tag Forwarding values.		

## 39 – Unspecified NE alarms

Table 39-270 ForceQTagForwardingMisconfiguration (vpIs)

Alarm	Attributes	Applicable major releases
Name: ForceQTagForwardingMisconfiguration (813) Type: configurationAlarm (11) Package: vpIs Raised on class: vpIs.AbstractVpIs	Severity: warning Implicitly cleared: true Default probable cause: forceQTagForwardingInconsistent (576)	Unspecified
<b>Description:</b> The alarm is raised when two I-sites in a service use different Force Q Tag Forwarding values.		
<b>Raising condition:</b> ('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'Force Q Tag Forwarding Inconsistent'))		
<b>Remedial action:</b> Check configuration so that I-sites in the service use same Force Q-Tag Forwarding values.		

Table 39-271 GenericInterfaceLinkDown

Alarm	Attributes	Applicable major releases
Name: GenericInterfaceLinkDown (403) Type: equipmentAlarm (3) Package: genericne Raised on class: genericne.GenericNeInterface	Severity: major Implicitly cleared: true Default probable cause: inoperableEquipment (8)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a communication link failure on a GNE interface. The alarm clears when the link returns to service.		
<b>Raising condition:</b> ('Operational State' EQUAL 'Down')		
<b>Clearing condition:</b> ('Operational State' EQUAL 'Up')		
<b>Remedial action:</b> The Operational State of the generic NE interface is down. The physical port (near end or far end) may have failed - this can be remedied by replacing the interface card in question. The physical links may have been turned down administratively - re-enable the links. A cable failure or disconnect may have occurred - please ensure that the cables are properly connected to the physical port and and that the cable has not been damaged.		

Table 39-272 GlobalAppProfileCreated

Alarm	Attributes	Applicable major releases
Name: GlobalAppProfileCreated (2931) Type: ConfigurationAlarm (15) Package: aapolicy Raised on class: aapolicy.ApplicationProfile	Severity: warning Implicitly cleared: true Default probable cause: globalAppProfileMissing (1125)	Unspecified
<b>Description:</b> The alarm is raised when a global application profile to which a global transit IP policy is referenced does not exist. The alarm notifies the user that a global application profile has been created.		
<b>Remedial action:</b> Informational. A global Application Profile has been created; this object is referenced by a Transit IP Policy or Transit Prefix Policy.		

Table 39-273 globalLicenseViolation

Alarm	Attributes	Applicable major releases
Name: globalLicenseViolation (2909) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicenseManager	Severity: critical Implicitly cleared: true Default probable cause: atLeastOneLicenseInViolation (1115)	Unspecified
<b>Description:</b> The alarm is raised when at least one RAN license is in violation.		
<b>Remedial action:</b> Provide a new LKDI license file with a further expiration date and/or more tokens.		

Table 39-274 GneCommunicationAlarm

Alarm	Attributes	Applicable major releases
Name: GneCommunicationAlarm (783) Type: CommunicationAlarm (64) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-275 GneEnvironmentalAlarm

Alarm	Attributes	Applicable major releases
Name: GneEnvironmentalAlarm (784) Type: EnvironmentalAlarm (65) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

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Table 39-276 GneEquipmentAlarm

Alarm	Attributes	Applicable major releases
Name: GneEquipmentAlarm (785) Type: EquipmentAlarm (66) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-277 GneMTIEAlarm (genericne)

Alarm	Attributes	Applicable major releases
Name: GneMTIEAlarm (3633) Type: EquipmentAlarm (66) Package: genericne Raised on class: genericne.GenericNeInterface	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-278 GneMTIEAlarm (netw)

Alarm	Attributes	Applicable major releases
Name: GneMTIEAlarm (3633) Type: EquipmentAlarm (66) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-279 GneProcessingErrorAlarm

Alarm	Attributes	Applicable major releases
Name: GneProcessingErrorAlarm (786) Type: ProcessingErrorAlarm (67) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-280 GneQualityOfServiceAlarm

Alarm	Attributes	Applicable major releases
Name: GneQualityOfServiceAlarm (787) Type: QualityOfServiceAlarm (68) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-281 GneServiceAlarm

Alarm	Attributes	Applicable major releases
Name: GneServiceAlarm (788) Type: ServiceAlarm (69) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

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Table 39-282 GneSystemAlarm

Alarm	Attributes	Applicable major releases
Name: GneSystemAlarm (789) Type: SystemAlarm (70) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-283 GneTransportAlarm

Alarm	Attributes	Applicable major releases
Name: GneTransportAlarm (790) Type: TransportAlarm (71) Package: netw Raised on class: netw.NetworkElement	Severity: variable Implicitly cleared: false Default probable cause: User_Defined (558)	Unspecified
<b>Description:</b> This user-definable alarm is raised against a generic NE when the 5620 SAM receives a trap from the generic NE that is mapped to the alarm in a generic NE alarm catalogue. The alarm mapping defines the Probable cause, Severity, and Implicitly cleared values, and optionally contains an extension that is appended to the Name value.		
<b>Remedial action:</b> This alarm is mapped from a GNE trap. Remedial action depends on the specific equipment and trap definition.		

Table 39-284 GponPortInBandAlarm

Alarm	Attributes	Applicable major releases
Name: GponPortInBandAlarm (3697) Type: gponInBandSignallingAlarm (106) Package: equipment Raised on class: equipment.GponPortSpecifics	Severity: major Implicitly cleared: true Default probable cause: InBandSignallingNotEstablishedBetweenSARandONT (1435)	Unspecified
<b>Description:</b> The alarm is raised when in-band signaling between the ONT and SAR for GPON statistics collection is not established after 30 seconds of GPON port uptime.		
<b>Remedial action:</b> Informational - Reachability between SAR and ONT devices has to be checked.		

Table 39-285 GponPortInBandAlarmClear

Alarm	Attributes	Applicable major releases
Name: GponPortInBandAlarmClear (3698) Type: gponInBandSignallingAlarm (106) Package: equipment Raised on class: equipment.GponPortSpecifics	Severity: cleared Implicitly cleared: true Default probable cause: InBandSignallingEstablishedBetweenSARandONT (1436)	Unspecified
<b>Description:</b> The alarm is raised when in-band signaling between the ONT and SAR for GPON statistics collection is established.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-286 GroupInSSMRange

Alarm	Attributes	Applicable major releases
Name: GroupInSSMRange (187) Type: configurationAlarm (11) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: STARGGroupInSSMRange (147)	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a PIM register, PIM (*,G) assert, PIM (*,G) join/prune, or an IGMP local membership message for a group defined in the SSM address range.		
<b>Remedial action:</b> Informational - no corrective action required		

Table 39-287 GwAcrFailuresAlarmMajor

Alarm	Attributes	Applicable major releases
Name: GwAcrFailuresAlarmMajor (2955) Type: communicationsAlarm (4) Package: lte Raised on class: lte.AgwrFfPeer	Severity: major Implicitly cleared: false Default probable cause: connectionDown (2)	Unspecified
<b>Description:</b> A tmnxMobGwAcrFailuresAlarmMajor is generated when 2 ACR transmission failures occur in a 10 second interval or 5 ACR transmission failures occur in a 60 second interval to the peer.		
<b>Remedial action:</b> Informational - a threshold for Anonymous Communication Rejection transmission failures has been exceeded. If the condition persists please contact Alcatel-Lucent support for assistance.		

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Table 39-288 GwCdfDownAlarm

Alarm	Attributes	Applicable major releases
Name: GwCdfDownAlarm (2956) Type: communicationsAlarm (4) Package: Ite Raised on class: Ite.RfReferencePoint	Severity: minor Implicitly cleared: false Default probable cause: connectionDown (2)	Unspecified
<b>Description:</b> A tmnxMobGwCdfDownAlarm notification is generated when both the primary and the secondary Charging Data Functions (CDFs) are down for active Rf diameter sessions		
<b>Remedial action:</b> The Charging Data Functions (primary and secondary) are down for a Rf reference point. The CDF function appears down for one of the following reasons: the underlying IP or physical interface is down, the far end diameter peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end diameter peer is operational and check that the underlying transport network is up.		

Table 39-289 GwCfCapacityAlarmMajor

Alarm	Attributes	Applicable major releases
Name: GwCfCapacityAlarmMajor (2957) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AGWReferencePoint	Severity: major Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> A tmnxMobGwCfCapacityAlarmMajor notification is generated when compact flash capacity reaches 95% limit.		
<b>Remedial action:</b> The compact flash device of the MGW is approaching capacity. The contents of the device must be analysed to identify redundant content which can be deleted.		

Table 39-290 GwCfCapacityAlarmMinor

Alarm	Attributes	Applicable major releases
Name: GwCfCapacityAlarmMinor (2958) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.AGWReferencePoint	Severity: minor Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> A tmnxMobGwCfCapacityAlarmMinor notification is generated when compact flash capacity reaches 85% limit		
<b>Remedial action:</b> The compact flash device of the MGW is approaching capacity. The contents of the device must be analysed to identify redundant content which can be deleted.		



Table 39-291 GwDdnThrottlingStart

Alarm	Attributes	Applicable major releases
Name: GwDdnThrottlingStart (4630) Type: communicationsAlarm (4) Package: lte Raised on class: lte.SigAGWGTPPMIPPeer	Severity: warning Implicitly cleared: false Default probable cause: downLinkThrottling (1897)	Unspecified
<b>Description:</b> A GwDdnThrottlingStart notification is generated when the serving gateway (SGW) starts throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME).		
<b>Remedial action:</b> The serving gateway (SGW) starts throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME). When the throttling duration is passed, the SGW will stop throttling the DDN.		

Table 39-292 GwDdnThrottlingStop

Alarm	Attributes	Applicable major releases
Name: GwDdnThrottlingStop (4631) Type: communicationsAlarm (4) Package: lte Raised on class: lte.SigAGWGTPPMIPPeer	Severity: warning Implicitly cleared: false Default probable cause: downLinkThrottling (1897)	Unspecified
<b>Description:</b> A GwDdnThrottlingStop notification is generated when the serving gateway (SGW) stops throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME).		
<b>Remedial action:</b> The serving gateway (SGW) stops throttling the Downlink Data Notification (DDN) for the low priority traffic towards a peer node (SGSN/MME). When another throttling instruction is received from a peer node, the SGW will start throttling the DDN.		

Table 39-293 GwGtpPriSrvGrpStateChange

Alarm	Attributes	Applicable major releases
Name: GwGtpPriSrvGrpStateChange (3635) Type: EpcAlarm (59) Package: lte Raised on class: lte.EPCGateway	Severity: major Implicitly cleared: true Default probable cause: GwGtpPriSrvGrpDown (1419)	Unspecified
<b>Description:</b> An alarm is raised when there has been a change in GPRS Tunneling Protocol (GTP) Prime Server state for all mobile system groups.		
<b>Remedial action:</b> If a GTP Prime server group state is down, CDR packets will be written to CDR files until at least one server becomes available.		

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Table 39-294 GwPoolCapacityAlarmMajor

Alarm	Attributes	Applicable major releases
Name: GwPoolCapacityAlarmMajor (5190) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.IpPool	Severity: major Implicitly cleared: true Default probable cause: Threshold (2104)	Unspecified
<b>Description:</b> A tmnxMobGwPoolCapacityAlarmMajor notification is generated when either the IPv4 or IPv6 address pool usage reaches 95% of the pool size.		
<b>Remedial action:</b> The IPv4 or IPv6 address pool usage reached 95% of the pool size. Need to look at increasing the address pool size.		

Table 39-295 GwPoolCapacityAlarmMinor

Alarm	Attributes	Applicable major releases
Name: GwPoolCapacityAlarmMinor (5191) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.IpPool	Severity: minor Implicitly cleared: true Default probable cause: Threshold (2104)	Unspecified
<b>Description:</b> A tmnxMobGwPoolCapacityAlarmMinor notification is generated when either the IPv4 or IPv6 address pool usage reaches 85% of the pool size.		
<b>Remedial action:</b> Informational: The IPv4 or IPv6 address pool usage reached 85% of the pool size. Need to closely monitor the usage.		

Table 39-296 GwRadGroupFail

Alarm	Attributes	Applicable major releases
Name: GwRadGroupFail (3636) Type: EpcAlarm (59) Package: Ite Raised on class: Ite.EPCGateway	Severity: major Implicitly cleared: false Default probable cause: EPSGroupDown (1420)	Unspecified
<b>Description:</b> A tmnxMobGwRadGrpFailAlarm notification is generated when all the radius servers have failed in the radius server group.		
<b>Remedial action:</b> The Radius server(s) which are configured in the Radius Server are unreachable. This problem may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the Radius server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

Table 39-297 GwRadPeerFail

Alarm	Attributes	Applicable major releases
Name: GwRadPeerFail (3682) Type: EpcAlarm (59) Package: Iteradius Raised on class: Iteradius.PdnRadiusPeer	Severity: major Implicitly cleared: false Default probable cause: EPSPeerDown (602)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives a tmnxMobGwRadPeerFailAlarm notification in response to a RADIUS server failure.		
<b>Remedial action:</b> A Radius peer is operationally down for one of the following reasons: the underlying IP or physical interface is down, the far end peer is down or the underlying transport between this NE and the peer NE is down. To resolve the issue ensure that the IP/physical interface is up, check that the far end peer is operational and check that the underlying transport network is up.		

Table 39-298 HardwareBootFailure

Alarm	Attributes	Applicable major releases
Name: HardwareBootFailure (108) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: critical Implicitly cleared: true Default probable cause: softwareBootProblemDueToHardwareIssues (92)	Unspecified
<b>Description:</b> The alarm is raised when an NE fails to boot because of a hardware problem.		
<b>Remedial action:</b> Please contact Alcatel-Lucent support for assistance.		

Table 39-299 HardwareRedundancyAlarm

Alarm	Attributes	Applicable major releases
Name: HardwareRedundancyAlarm (147) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.ControlProcessor	Severity: major Implicitly cleared: true Default probable cause: primaryCpmFailure (121)	Unspecified
<b>Description:</b> The alarm is raised when the primary CPM fails.		
<b>Remedial action:</b> The CPM card in the chassis may have suffered a failure. Remove and reset the card in question. If this does not resolve the problem replace the card.		

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Table 39-300 HashLabelMismatch (svt)

Alarm	Attributes	Applicable major releases
Name: HashLabelMismatch (1113) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: warning Implicitly cleared: true Default probable cause: hashLabelMismatch (826)	Unspecified
<b>Description:</b> The alarm is raised when an SDP binding hash label is enabled and the return SDP binding hash label is disabled. If this misconfiguration causes the mismatch of the operational hash label on both sides, the receiving site will drop the data packets as a result. This alarm is cleared when the hash label is either enabled or disabled on both sides.		
<b>Remedial action:</b> The hash label must be enabled or disabled on both ends of the SDP		

Table 39-301 HashLabelMismatch (vprn)

Alarm	Attributes	Applicable major releases
Name: HashLabelMismatch (1113) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.Vprn	Severity: warning Implicitly cleared: true Default probable cause: hashLabelMismatch (826)	Unspecified
<b>Description:</b> The alarm is raised when the hash label is enabled on a VPRN site and disabled on another site in the service.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The hash label must be enabled or disabled on both ends of the SDP		

Table 39-302 HashLabelSignalCapabilityMismatch

Alarm	Attributes	Applicable major releases
Name: HashLabelSignalCapabilityMismatch (3327) Type: configurationAlarm (11) Package: svt Raised on class: svt.SdpBinding	Severity: warning Implicitly cleared: true Default probable cause: hashLabelSignalCapabilityMismatch (1163)	Unspecified
<b>Description:</b> The alarm is raised when an SDP binding hash label signal capability is enabled and the return SDP binding hash label signal capability is disabled or not supported. If this misconfiguration causes the mismatch of the operational hash label on both sides, the receiving site will drop the data packets as a result. This alarm is cleared when the hash label signal capability is either enabled or disabled on both sides.		
<b>Remedial action:</b> The hash label signal capability must be enabled or disabled on both ends of the SDP		

Table 39-303 hdmAlarmListenerFailure

Alarm	Attributes	Applicable major releases
Name: hdmAlarmListenerFailure (6305) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates a communication issue with hdmAlarmListenerFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

Table 39-304 hdmDashboardAlarmListenerFailure

Alarm	Attributes	Applicable major releases
Name: hdmDashboardAlarmListenerFailure (6306) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates a communication issue with hdmDashboardAlarmListenerFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

Table 39-305 hdmRegistrationListenerFailure

Alarm	Attributes	Applicable major releases
Name: hdmRegistrationListenerFailure (6308) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates a communication issue with hdmRegistrationListenerFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

Table 39-306 hdmReRegistrationListenerFailure

Alarm	Attributes	Applicable major releases
Name: hdmReRegistrationListenerFailure (6307) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm indicates a communication issue with hdmReRegistrationListenerFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

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**Table 39-307 hdmResynchroListenerFailure**

Alarm	Attributes	Applicable major releases
Name: hdmResynchroListenerFailure (6309) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates a communication issue with hdmResynchroListenerFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

**Table 39-308 hdmWebservicesFailure**

Alarm	Attributes	Applicable major releases
Name: hdmWebservicesFailure (6310) Type: communicationsAlarm (4) Package: femto Raised on class: femto.HDMCluster	Severity: major Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates a communication issue with hdmWebservicesFailure Listener of HDM.		
<b>Remedial action:</b> TBD		

**Table 39-309 HighBER (mwa)**

Alarm	Attributes	Applicable major releases
Name: HighBER (682) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: HighBER (1909)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a high BER.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-310 HighBER (radioequipment)

Alarm	Attributes	Applicable major releases
Name: HighBER (682) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: highBER (497)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects a high BER.		
<b>Remedial action:</b> The alarm is raised when an MSS detects a high BER.		

Table 39-311 HighLevelRoutesReached

Alarm	Attributes	Applicable major releases
Name: HighLevelRoutesReached (1197) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: true Default probable cause: HighLevelRoutesReached (897)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes in a VPRN exceeds the high threshold value. The high threshold value is a percentage of the maximum number of routes specified in the VPRN configuration. The percentage is derived by adding 100 to the threshold value in the VPRN configuration and dividing the result by 2. The alarm information includes the number of routes and this calculated high threshold value.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-312 HistCorrDbSizeThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: HistCorrDbSizeThresholdExceeded (5169) Type: configurationAlarm (11) Package: histcorr Raised on class: histcorr.HistCorrPartitionManager	Severity: variable Implicitly cleared: true Default probable cause: HistCorrEventDBSizesNotSufficient (2089)	Unspecified
<b>Description:</b> The alarm is raised when the actual DB size consumed by Correlation Events exceeds the threshold.		
<b>Remedial action:</b> Correlation Events DB storage reached threshold or exceeded, increase "Max DB Size" in Correlation Partition Manager GUI.		

## 39 – Unspecified NE alarms

Table 39-313 HoldTimeInconsistent

Alarm	Attributes	Applicable major releases
Name: HoldTimeInconsistent (810) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: major Implicitly cleared: false Default probable cause: holdTimeInconsistent (575)	Unspecified
<b>Description:</b> The alarm is raised when a BGP site tries to establish a peering using a hold time that is less than the configured strict hold time. The peering is rejected as a result.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The hold time must be set to a value greater than the strict hold time.		

Table 39-314 HostConnectivityLostRateExceeded

Alarm	Attributes	Applicable major releases
Name: HostConnectivityLostRateExceeded (276) Type: communicationsAlarm (4) Package: ressubscr Raised on class: ressubscr.ShcvSite	Severity: major Implicitly cleared: false Default probable cause: hostDown (208) Applicable probable causes: <ul style="list-style-type: none"> <li>hostDown</li> <li>trapDropped</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when the trapDroppedRaisesAlarm parameter is enabled and the maximum allowed number of SHCV host connectivity loss events on a SAP is exceeded. The SHCV action in response to the alarm is specified by the maxHostLostConnectivityRate parameter. If the specified action is to remove the host information, the host information is removed and the connectivity of the host is not subsequently verified.		
<b>Remedial action:</b> This may be a transient error condition in the network or possible congestion or could be a sign that the SHCV ping interval is too short. Verify the status of the network for those subscribers and the service SHCV configuration.		

Table 39-315 HostSharedFilterHighWatermarkAlarm

Alarm	Attributes	Applicable major releases
Name: HostSharedFilterHighWatermarkAlarm (4974) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: true Default probable cause: HostSharedFilterHighWatermarkAlarm (2031)	Unspecified
<b>Description:</b> The alarm is raised when the number of dynamically allocated Host Shared Filters based on the indicated filter reaches or exceeds the configured high watermark. This alarm is cleared when the number of dynamically allocated Host Shared Filters drops to or below the configured low watermark of the indicated filter.		
<b>Remedial action:</b> Please check the watermark configurations on the indicated filter and make an adjustment accordingly.		



Table 39-316 HouseKeeping (equipment)

Alarm	Attributes	Applicable major releases
Name: HouseKeeping (1165) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: houseKeeping (867)	Unspecified
<b>Description:</b> The alarm is raised when a HouseKeeping trap is received.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-317 HouseKeeping (mpr)

Alarm	Attributes	Applicable major releases
Name: HouseKeeping (1165) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.AbstractMprAux	Severity: minor Implicitly cleared: true Default probable cause: HouseKeeping (1564)	Unspecified
<b>Description:</b> Defect detected by an house-keeping interface on AUX card.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-318 Idle2GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Idle2GUEsExceeded (5045) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of Idle 2G UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('2G Idle UEs Threshold' NOT EQUAL '0L') AND ('2G Idle UEs' > '2G Idle UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-319 Idle3GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Idle3GUEsExceeded (5046) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of Idle 3G UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('3G Idle UEs Threshold' NOT EQUAL '0L') AND ('3G Idle UEs' > '3G Idle UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-320 Idle4GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Idle4GUEsExceeded (5047) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of 4G Idle UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('4G Idle UEs Threshold' NOT EQUAL '0L') AND ('4G Idle UEs' > '4G Idle UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-321 IgmpGrpIfSapMaxGroupsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpGrpIfSapMaxGroupsLimitExceeded (3979) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrpIfSapMaxGroupsLimitExceeded (1556)	Unspecified
<b>Description:</b> This alarm is raised when an IGMP host subscribes to a new multicast group that cannot be installed because the maximum number of active groups on the IGMP group interface SAP has already been reached.		
<b>Remedial action:</b> Increase the value of the 'maxGroups' attribute in the parent IGMP group interface so that the number of active IGMP groups stays under the configured threshold.		

**Table 39-322 IgmpGrpIfSapMaxGrpSrcLimExcd**

Alarm	Attributes	Applicable major releases
Name: IgmpGrpIfSapMaxGrpSrcLimExcd (4622) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrpIfSapMaxGrpSrcLimExcd (1890)	Unspecified
<b>Description:</b> This alarm is raised when an attempt is made to configure a group source for a group when the number of group sources is equal to vRtrIgmpGrpIfSapMaxGrpSources, the maximum number of group sources per group supported on the SAP.		
<b>Remedial action:</b> Increase the value of the 'maxGrpSources' attribute in the parent IGMP group interface so that the number of active IGMP Group sources stays under the configured threshold.		

**Table 39-323 IgmpGrpIfSapMaxSourcesLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: IgmpGrpIfSapMaxSourcesLimitExceeded (3980) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GroupInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: IgmpGrpIfSapMaxSourcesLimitExceeded (1557)	Unspecified
<b>Description:</b> This alarm is raised when an IGMP host subscribes to a multicast group with a source that cannot be installed because the maximum number of active sources on the IGMP group interface SAP has already been reached.		
<b>Remedial action:</b> Increase the value of the 'maxSources' attribute in the parent IGMP group interface so that the number of active IGMP sources stays under the configured threshold.		

**Table 39-324 IgmpHostMaxGrpSrcsLimitExcd**

Alarm	Attributes	Applicable major releases
Name: IgmpHostMaxGrpSrcsLimitExcd (4623) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.GrpInterface	Severity: warning Implicitly cleared: false Default probable cause: IgmpHostMaxGrpSrcsLimitExcd (1891)	Unspecified
<b>Description:</b> This alarm is raised when an attempt is made to configure a source for a group when the number of group sources is equal to vRtrIgmpHostMaxGrpSources, the maximum number of group sources per group supported on the host.		
<b>Remedial action:</b> Increase the value of the 'maxGrpSources' attribute in the parent IGMP group interface so that the number of active IGMP Group sources stays under the configured threshold.		

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Table 39-325 IgmpSnpgGrpDroppedLimitExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgGrpDroppedLimitExceeded (392) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpsReached (292)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group is removed from an SDP binding because the number of allowed IGMP groups specified by sdpBndIgmpSnpgCfgMaxNbrGrps is reached.		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP groups on the SDP.		

Table 39-326 IgmpSnpgGrpDroppedLimitExceeded (vpls)

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgGrpDroppedLimitExceeded (392) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpsReached (292)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group is removed from a SAP because the number of allowed IGMP groups specified by sapIgmpSnpgCfgMaxNbrGrps is reached.		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP groups on the SAP.		

Table 39-327 IgmpSnpgGrpSrcLimitExceed

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgGrpSrcLimitExceed (4894) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: IgmpSnpgGrpSrcLimitExceed (1952)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group or source is dropped on a given SDP Bind because a user configurable upper limit given by sdpBndIgmpSnpgCfgMaxNbrGrpSrcs is reached		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP group sources on the SDP.		

Table 39-328 IgmpSnpgGrpSrcLimitExceeded

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgGrpSrcLimitExceeded (4897) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpSrcsReached (1954)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group or source is dropped on a given SAP because a user configurable upper limit given by sapIgmpSnpgCfgMaxNbrGrpSrcs is reached		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP Group sources on the SAP.		

Table 39-329 IgmpSnpgSrcDroppedLimitExceeded (svt)

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgSrcDroppedLimitExceeded (735) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBindingIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrSrcsReached (512)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP source is removed from an SDP binding because the number of allowed IGMP sources specified by sdpBndIgmpSnpgCfgMaxNbrSrcs is reached.		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP sources on the SDP.		

Table 39-330 IgmpSnpgSrcDroppedLimitExceeded (vpls)

Alarm	Attributes	Applicable major releases
Name: IgmpSnpgSrcDroppedLimitExceeded (735) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmpSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrSrcsReached (512)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP source is removed from a SAP because the number of allowed IGMP sources specified by sapIgmpSnpgCfgMaxNbrGrps is reached.		
<b>Remedial action:</b> This can be remedied by increasing the maximum number of allowed IGMP sources on the SAP.		

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Table 39-331 IgpPrefixUnreachable

Alarm	Attributes	Applicable major releases
Name: IgpPrefixUnreachable (5428) Type: virtualSwitchAlarm (136) Package: dctr Raised on class: dctr.AbstractVirtualSwitchGlobal	Severity: critical Implicitly cleared: true Default probable cause: IgpPrefixDown (2129)	Unspecified
<b>Description:</b> The alarm is raised when the IGP Prefix is unreachable i.e. all the advertising routers are down.		
<b>Remedial action:</b> This alarm can be cleared when the IGP Prefix for the Virtual Switch is reachable.		

Table 39-332 IK4003104 - BB SLICE1 FAILURE DUE TO LOSS OF HS DATA LINK

Alarm	Attributes	Applicable major releases
Name: IK4003104 (7963) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB SLICE1 FAILURE DUE TO LOSS OF HS DATA LINK (1871) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates a failure of the BB to CB link, which leads to BB slice 1 failure.		
<b>Impact:</b> LTE service is not possible on this BB's slice 1.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

Table 39-333 IK4003105 - BB SLICE2 FAILURE DUE TO LOSS OF HS DATA LINK

Alarm	Attributes	Applicable major releases
Name: IK4003105 (7964) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB SLICE2 FAILURE DUE TO LOSS OF HS DATA LINK (1872) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates a failure of the BB to CB link, which leads to BB slice 2 failure.		
<b>Impact:</b> LTE service is not possible on this BB's slice 2.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 39-334 IK4003106 - BB SLICE3 FAILURE DUE TO LOSS OF HS DATA LINK**

Alarm	Attributes	Applicable major releases
Name: IK4003106 (7965) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB SLICE3 FAILURE DUE TO LOSS OF HS DATA LINK (1873) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates a failure of the BB to CB link, which leads to BB Slice 3 failure		
<b>Impact:</b> LTE service is not possible on this BB's slice 3.		
<b>Remedial action:</b> Reset BB, reset CB, replace BB or CB if problem persists.		

**Table 39-335 IK4003107 - BB TEMPERATURE SENSOR FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4003107 (7966) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TEMPERATURE SENSOR FAILURE (1874) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates a temperature sensor failure.		
<b>Impact:</b> Temperature read from BB is not precise anymore and fan control cannot work normally. eNB may be in condition of over temperature		
<b>Remedial action:</b> Reset the BB in low traffic hours, if problem persists then replace the BB		

**Table 39-336 IK4004198 - GNSS FIRMWARE UPGRADE MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4004198 (7967) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: GNSS FIRMWARE UPGRADE MISMATCH (1875) Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
<b>Description:</b> The GNSS firmware is incompatible with the GNSS receiver component.		
<b>Impact:</b> GNSS receiver cannot be programmed. Therefore satellite based synchronization cannot be supported.		
<b>Remedial action:</b> Check the GNSS type and ensure firmware to be downloaded is compatible with GNSS component vendor and part..		

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Table 39-337 IK4004199 - GNSS FIRMWARE UPGRADE FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4004199 (7968) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: critical Specific problem: GNSS FIRMWARE UPGRADE FAILURE (1876) Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
<b>Description:</b> The GNSS firmware fails to be successfully loaded to the GNSS receiver component		
<b>Impact:</b> GNSS receiver cannot be programmed. Therefore satellite based synchronization cannot be supported.		
<b>Remedial action:</b> Check the GNSS type and ensure firmware to be downloaded is compatible with GNSS component..		

Table 39-338 IK4004200 - CB INIT GPS SELF SURVEY INPROGRESS

Alarm	Attributes	Applicable major releases
Name: IK4004200 (7969) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: variable Specific problem: CB INIT GPS SELF SURVEY INPROGRESS (198) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that the eNB has started a high accuracy GPS survey for OTDOA, which normally takes 10 hours to complete.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 39-339 IK4004201 - CB INIT GPS SELF SURVEY FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4004201 (7970) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB INIT GPS SELF SURVEY FAILURE (1877) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates a high accuracy GPS survey has not been successfully completed after 24 hours.		
<b>Impact:</b> Quality of GPS timing source is too low to support OTDOA geolocation.		
<b>Remedial action:</b> Check GPS performance. Ensure good GPS receiver and GPS antenna is installed per Alcatel-Lucent guidelines and located to have a full sky visibility with no local interference or multipath, then power cycle the controller to restart survey. If GPS reception can't be improved then disable OTDOA (isGeoLocPhaseSyncAllowed="False"), which will clear the alarm."		



Table 39-340 IK4007209 - MME M3 SETUP FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007209 (7971) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: major Specific problem: MME M3 SETUP FAILURE (1878) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates that all the attempts initiated by the MCE to set up the M3 AP with a peer MME have failed. The failure can be due to a MME reject (oam intervention or unknown cause) or it can be due to a timer expiration on the MCE side because the MME has not answered on time.		
<b>Impact:</b> The M3MmeAccess Operational state and Availability Status are set to {Disabled, Failed}. So the peer MME concerned by the M3 setup failure can't convey the signaling for eMBMS.		
<b>Remedial action:</b> Correct the issue on the MME; when the issue is solved, lock then unlock the M3MmeAccess.		

Table 39-341 IK4007210 - MME M3 RESET ALL FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4007210 (7972) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.Mce	Severity: major Specific problem: MME M3 RESET ALL FAILURE (1879) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates that all attempts to perform the MCE initiated M3 Reset/All have failed due to no response of the MME.		
<b>Impact:</b> The M3MmeAccess Operational state and Availability Status are set to {Disabled, Failed}. So the peer MME concerned by the M3 setup failure can't convey the signaling for eMBMS.		
<b>Remedial action:</b> Correct the issue on the MME; when the issue is solved, lock then unlock the M3MmeAccess.		

Table 39-342 IK4007212 - ABS DUTY CYCLE IMPACT ON DL PRB CONSUMPTION

Alarm	Attributes	Applicable major releases
Name: IK4007212 (7973) Type: qualityOfServiceAlarm (82) Package: lte Raised on class: lte.ENBEquipment	Severity: variable Specific problem: ABS DUTY CYCLE IMPACT ON DL PRB CONSUMPTION (1880) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that an on-line change of the ABS duty cycle leads to increase the downlink percentage of the PRB consumption beyond a configurable threshold called elcicDlAlarmOnAbsDutyCycleThresholdOnPrb in the object called elcicAbsGenerationConf.		
<b>Impact:</b> Increase of the downlink percentage on the PRB consumption		
<b>Remedial action:</b> No action is required.		

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Table 39-343 IK4007214 - END OF INTERRAT CDMA HRPD ANR ACTIVE PHASE

Alarm	Attributes	Applicable major releases
Name: IK4007214 (7974) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: END OF INTERRAT CDMA HRPD ANR ACTIVE PHASE (1881) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates the end of the inter-RAT CDMA HRPD ANR active phase.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 39-344 IK4007215 - END OF INTERRAT CDMA 1xRTT ANR ACTIVE PHASE

Alarm	Attributes	Applicable major releases
Name: IK4007215 (7975) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: END OF INTERRAT CDMA 1xRTT ANR ACTIVE PHASE (1882) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates the end of the inter-RAT CDMA 1xRTT ANR active phase.		
<b>Impact:</b> No impact on eNodeB.		
<b>Remedial action:</b> No action is required.		

Table 39-345 IK4007216 - CDMA HRPD NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major releases
Name: IK4007216 (7976) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: major Specific problem: CDMA HRPD NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (1883) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates the HRPD neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> Mobility to this HRPD neighbor will be impacted.		
<b>Remedial action:</b> Remove the existing HRPD neighbor relation so that it can be created by ANR under the correct frequency.		

**Table 39-346 IK4007217 - CDMA 1xRTT NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR**

Alarm	Attributes	Applicable major releases
Name: IK4007217 (7977) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: major Specific problem: CDMA 1xRTT NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (1884) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates the 1xRTT neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> Mobility to this 1xRTT neighbor will be impacted.		
<b>Remedial action:</b> Remove the existing 1xRTT neighbor relation so that it can be created by ANR under the correct frequency.		

**Table 39-347 IK4007218 - HRPD NEIGHBOR RELATION REPLACEMENT**

Alarm	Attributes	Applicable major releases
Name: IK4007218 (7978) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: HRPD NEIGHBOR RELATION REPLACEMENT (1885) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that a HRPD Neighbor Relation has been replaced with another higher priority neighbor.		
<b>Impact:</b> Neighbor Relation replaced		
<b>Remedial action:</b> No action is required.		

**Table 39-348 IK4007219 - 1xRTT NEIGHBOR RELATION REPLACEMENT**

Alarm	Attributes	Applicable major releases
Name: IK4007219 (7979) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: 1xRTT NEIGHBOR RELATION REPLACEMENT (1886) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that a 1xRTT Neighbor Relation has been replaced with another higher priority neighbor.		
<b>Impact:</b> Neighbor Relation replaced		
<b>Remedial action:</b> No action is required.		

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Table 39-349 IK4007220 - PCI CONFUSION CDMA NEIGHB CELLS

Alarm	Attributes	Applicable major releases
Name: IK4007220 (7980) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: PCI CONFUSION CDMA NEIGHB CELLS (1887) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates this cell is a victim of a CDMA PCI (pnOffset) confusion, it has neighbor cells in a particular CDMA neighboring frequency that have the same PCI. A manual intervention is needed to solve the problem. This issue may affect mobility procedures from LTE to CDMA.		
<b>Impact:</b> Mobility procedure triggered in the eNB towards CDMA may be directed to a wrong neighboring cell.		
<b>Remedial action:</b> The maintenance action is to change the PCI value of one of the neighbor CDMA cells to resolve the conflict.		

Table 39-350 IK4007221 - UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major releases
Name: IK4007221 (7981) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.UtraFddNeighboringCellRelation	Severity: major Specific problem: UTRAN NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (585) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates the UTRAN neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> Mobility to this Neighbor will be impacted.		
<b>Remedial action:</b> Remove the existing UTRAN neighbor relation so that it can be created by ANR under the correct frequency.		

Table 39-351 IK4007222 - PCI OUT OF PCI ALLOWED LIST DETECTED UNDER RESOLUTION

Alarm	Attributes	Applicable major releases
Name: IK4007222 (7982) Type: operationalViolation (93) Package: lte Raised on class: lte.Cell	Severity: warning Specific problem: PCI OUT OF PCI ALLOWED LIST DETECTED UNDER RESOLUTION (1888) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates a PCI out of the related pciAllowedList provided by the operator. The eNodeB attempts for a resolution.		
<b>Impact:</b> The impact is that the PCI used is not in the list provided by the operator, so may use a value reserved for other topic.		
<b>Remedial action:</b> This is due to an operator action. AutoPCI will solve the issue by changing the PCI. So check that pciAllowedList is the one that you really need.		

**Table 39-352 IK4009210 - HW SW CAPABILITY CHECK RADIOCACENB FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4009210 (4689) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: minor Specific problem: HW SW CAPABILITY CHECK RADIOCACENB FAILURE (1889) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> There is a mismatch between MIM configuration data RadioCacEnb and HW reported capabilities detected.		
<b>Impact:</b> The RadioCacEnb algorithm is limited to HW capabilities.		
<b>Remedial action:</b> The operator has to check the MIM configuration of RadioCacEnb object and the installed Controller Type. The MIM configuration must be aligned to the capability of the HW.		

**Table 39-353 IK4009211 - BB TO BB LOSS OF USER PLANE INTERBOARD CONNECTIVITY FOR LEGACY ENB**

Alarm	Attributes	Applicable major releases
Name: IK4009211 (7983) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TO BB LOSS OF USER PLANE INTERBOARD CONNECTIVITY FOR LEGACY ENB (1890) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates a loss of User Plane inter-board connectivity between this BB board and the peer BB board(s) indicated in the additional info.		
<b>Impact:</b> Telecom: No impact on non-CA calls, Carrier Aggregation calls are no longer possible between this board and the peer board indicated in the additional info.		
<b>Remedial action:</b> Reset the board where the alarm is raised, If it does not clear the alarm, perform an eNodeB reset; If it fails to recover, replace the board.		

**Table 39-354 IK4009212 - BB TO BB LOSS OF USER PLANE INTERBOARD CONNECTIVITY**

Alarm	Attributes	Applicable major releases
Name: IK4009212 (7984) Type: equipmentAlarm (3) Package: lte Raised on class: lte.BBCardSpecifics	Severity: major Specific problem: BB TO BB LOSS OF USER PLANE INTERBOARD CONNECTIVITY (1891) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates a loss of User Plane inter-board connectivity between this BB board and the peer BB board(s) indicated in the additional info.		
<b>Impact:</b> Telecom: No impact on non-CA calls, Carrier Aggregation calls are no longer possible between this board and the peer board indicated in the additional info.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reset the board where the alarm is raised, If it does not clear the alarm, perform an eNodeB reset; If it fails to recover, replace the board.		

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Table 39-355 IK4009213 - BB TO CB LOSS OF USER PLANE INTERBOARD CONNECTIVITY

Alarm	Attributes	Applicable major releases
Name: IK4009213 (7985) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.BBCardSpecifics	Severity: critical Specific problem: BB TO CB LOSS OF USER PLANE INTERBOARD CONNECTIVITY (1892) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates a loss of User Plane inter-board connectivity between this BB board and the CB board indicated in the additional info.		
<b>Impact:</b> Telecom: The user plane GTP traffic for calls is interrupted.		
<b>Remedial action:</b> Reset the board where the alarm is raised, If it does not clear the alarm, perform an eNodeB reset; If it fails to recover, replace the board.		

Table 39-356 IK4009214 - CB LOSS OF USER PLANE INTERBOARD CONNECTIVITY

Alarm	Attributes	Applicable major releases
Name: IK4009214 (7986) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: critical Specific problem: CB LOSS OF USER PLANE INTERBOARD CONNECTIVITY (1893) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This alarm indicates a loss of User Plane inter-board connectivity between this CB board and the peer BB board(s) indicated in the additional info.		
<b>Impact:</b> Telecom: The user plane GTP traffic for calls is interrupted.		
<b>Remedial action:</b> Reset the eNodeB, If it fails to recover, replace the board.		

Table 39-357 IK4009215 - RFM TEMPORARY UNAVAILABLE

Alarm	Attributes	Applicable major releases
Name: IK4009215 (7987) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: minor Specific problem: RFM TEMPORARY UNAVAILABLE (1894) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates that the RFM can't execute the request because it is temporary unavailable. The request will be repeated.		
<b>Impact:</b> Telecom: Possible loss of telecom resources. OAM: No impact on OAM service.		
<b>Remedial action:</b> No action is required		

Table 39-358 IK4009216 - RFM UNAVAILABLE

Alarm	Attributes	Applicable major releases
Name: IK4009216 (7988) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: critical Specific problem: RFM UNAVAILABLE (1895) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates the scenario failure due to no-response from the module.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists replace the module.		

Table 39-359 IK4009217 - RFM PROCESSING ERROR

Alarm	Attributes	Applicable major releases
Name: IK4009217 (7989) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM PROCESSING ERROR (1896) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates the scenario failure due to RFM failure of processing.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists replace the module.		

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Table 39-360 IK4009218 - RFM NOT OPERATIONAL

Alarm	Attributes	Applicable major releases
Name: IK4009218 (7990) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM NOT OPERATIONAL (1897) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates that the RFM has been detected as not operational. In most situations a second alarm related to this object should be already raised and an equipment reset already triggered.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> If the eNodeB recovery action does not fix the alarm then reset the module. If the alarm persists replace the module.		

Table 39-361 IK4012078 - SCB INIT GPS SELF SURVEY FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4012078 (7991) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB INIT GPS SELF SURVEY FAILURE (1898) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates that high accuracy GPS self survey for OTDOA sync has not been successfully completed after 24 hours.		
<b>Impact:</b> Synchronization accuracy too low to support OTDOA.		
<b>Remedial action:</b> Check GPS performance. Ensure good GPS receiver and GPS antenna is installed per Alcatel-Lucent guidelines and located to have a full sky visibility with no local interference or multipath, then power cycle the controller to restart survey. If GPS reception can't be improved then disable OTDOA sync (isGeoLocPhaseSyncAllowed="False"), which will clear the alarm."		

Table 39-362 IK4012079 - SCB INIT GPS SELF SURVEY INPROGRESS

Alarm	Attributes	Applicable major releases
Name: IK4012079 (7992) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: variable Specific problem: SCB INIT GPS SELF SURVEY INPROGRESS (880) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This event indicates that the eNB has started a high accuracy GPS survey for OTDOA, which normally takes 10 hours to complete.		
<b>Impact:</b> No impact on eNodeB.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> No action is required.		

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Table 39-363 IK4022001 - ERRONEOUS BACKHAUL ETHERNET PORT NAME

Alarm	Attributes	Applicable major releases
Name: IK4022001 (7993) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.EthernetPort	Severity: warning Specific problem: ERRONEOUS BACKHAUL ETHERNET PORT NAME (1899) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> The backhaul port name defined in the configuration, received from the EMS by the eNB doesn't match with the identity of the ethernet backhaul port used by the eNB to connect to the EMS.		
<b>Impact:</b> The eNB shall not apply the transport configuration if this configuration involves more than one ethernet port and as long as the cabling doesn't match the configuration. Else the risk will be to not be able to reach anymore the eNB from the EMS		
<b>Remedial action:</b> EthernetPort.ethernetPortName[0] value shall be modified in the EMS configuration.		

Table 39-364 IK4022002 - BAD ETHERNET PORT POLICING CONFIGURATION

Alarm	Attributes	Applicable major releases
Name: IK4022002 (7994) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.EthernetPort	Severity: major Specific problem: BAD ETHERNET PORT POLICING CONFIGURATION (1900) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates that the policing ingress CIR exceeds the Ethernet port speed, when policing is requested on the Ethernet port.		
<b>Impact:</b> The policing function has no effect.		
<b>Remedial action:</b> Review the Ethernet port policing configuration and change if necessary.		

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Table 39-365 IK4022003 - ETHERNET PORT NOT OPERATIONAL

Alarm	Attributes	Applicable major releases
Name: IK4022003 (7995) Type: equipmentAlarm (3) Package: lte Raised on class: lte.EthernetPort	Severity: minor Specific problem: ETHERNET PORT NOT OPERATIONAL (1901) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates that a feature involving the use of this Ethernet Port has been activated and the Ethernet Port is not operational.		
<b>Impact:</b> The feature that needs the use of the Ethernet Port cannot be activated.		
<b>Remedial action:</b> The cabling shall be checked as well as the EMS configuration in order cabling and EMS configuration match.		

Table 39-366 IK4022004 - ETHERNET PORT OPERATIONAL

Alarm	Attributes	Applicable major releases
Name: IK4022004 (7996) Type: equipmentAlarm (3) Package: lte Raised on class: lte.EthernetPort	Severity: variable Specific problem: ETHERNET PORT OPERATIONAL (1902) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that a feature involving the use of this Ethernet Port has been activated and the Ethernet Port is operational.		
<b>Impact:</b> Traffic can flow through the Ethernet backhaul port.		
<b>Remedial action:</b> No action is required.		

Table 39-367 IK4022005 - ETHERNET PORT FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4022005 (7997) Type: equipmentAlarm (3) Package: lte Raised on class: lte.EthernetPort	Severity: critical Specific problem: ETHERNET PORT FAILURE (777) Implicitly cleared: true Default probable cause: inputOutputDeviceError (703)	Unspecified
<b>Description:</b> This alarm indicates that the eNB failed to send/receive traffic through an Ethernet port.		
<b>Impact:</b> No more traffic can go through the Ethernet port		
<b>Remedial action:</b> The eNB Ethernet port equipment shall be checked and the eNB controller board or the SFP will be replaced if necessary.		

Table 39-368 IK4022006 - BAD ETHERNET PORT SHAPING CONFIGURATION

Alarm	Attributes	Applicable major releases
Name: IK4022006 (7998) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.EthernetPort	Severity: major Specific problem: BAD ETHERNET PORT SHAPING CONFIGURATION (1903) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates that either the sum of the egress CIR per VLAN exceeds the Ethernet port speed when shaping per VLAN is requested on this Ethernet port, either the egress CIR exceeds the Ethernet port speed when shaping per port is requested on this Ethernet port.		
<b>Impact:</b> The shaping function has no effect.		
<b>Remedial action:</b> Review the Ethernet port shaping configuration and change if necessary.		

Table 39-369 IK4305187 - TERTIARY CPRI PORT CONFIGURATION MISMATCH

Alarm	Attributes	Applicable major releases
Name: IK4305187 (7999) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RRH	Severity: minor Specific problem: TERTIARY CPRI PORT CONFIGURATION MISMATCH (1904) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates the misalignment between the tertiary CPRI port position in MIM configuration and the detected tertiary CPRI port position, or the tertiary CPRI port is configured but the RRH cant support 3 ports at all.		
<b>Impact:</b> Telecom: the assigned cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration, or verify if RRH support 3 CPRI ports.		

Table 39-370 IK4305188 - CELL OR SECTOR CONFIGURATION MISMATCH VERSUS HARDWARE

Alarm	Attributes	Applicable major releases
Name: IK4305188 (8000) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: CELL OR SECTOR CONFIGURATION MISMATCH VERSUS HARDWARE (1905) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates inconsistency in the cell or corresponding sector configuration versus the RRH hardware capacity		
<b>Impact:</b> Telecom: the cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data or Verify and correct the hardware configuration		

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Table 39-371 IK4305189 - LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR

Alarm	Attributes	Applicable major releases
Name: IK4305189 (8001) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: LTE NEIGHBOR RELATION MIB INSTANCE CANNOT BE REMOVED BY ANR (603) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates the LTE neighbor relation MIB instance is not removed because the removal is not allowed.		
<b>Impact:</b> Mobility to this Neighbor will be impacted.		
<b>Remedial action:</b> Remove the existing LTE neighbor relation so that it can be created by ANR under the correct frequency.		

Table 39-372 IK4305190 - LICENSE REQUIRED TO SUPPORT THE CONFIGURED LTECELL

Alarm	Attributes	Applicable major releases
Name: IK4305190 (8002) Type: equipmentAlarm (3) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: LICENSE REQUIRED TO SUPPORT THE CONFIGURED LTECELL (1906) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates that the cell cannot be enabled due to licensing restriction		
<b>Impact:</b> Telecom: The cell is not operational. OAM: No impact on OAM service.		
<b>Remedial action:</b> The operator shall purchase the corresponding license.		

Table 39-373 IK4305191 - 4TX CELL CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4305191 (8003) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: 4TX CELL CONFIGURATION FAILURE (1907) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates a cell is configured with 4 DL antennas, whereas the feature allowing 4 Tx antennas is disabled (is4TxAntennasEnabled="false").		
<b>Impact:</b> Telecom: The telecom service on the cell is disabled. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify the DL antennas setting for this cell in MIM and verify the is4TxAntennasEnabled flag in MIM.		

**Table 39-374 IK4305192 - CONFIGURATION DATA REJECTED**

Alarm	Attributes	Applicable major releases
Name: IK4305192 (8004) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.RFM	Severity: major Specific problem: CONFIGURATION DATA REJECTED (1908) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates inconsistency in the RFM configuration data.		
<b>Impact:</b> Telecom: Possible loss of telecom resources. OAM: No impact on OAM service.		
<b>Remedial action:</b> Verify and correct the configuration data. Identify from additional info the impacted parameter.		

**Table 39-375 IK4306108 - FEATURE TRI-CARRIER NOT SUPPORTED**

Alarm	Attributes	Applicable major releases
Name: IK4306108 (8005) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: FEATURE TRI-CARRIER NOT SUPPORTED (1909) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates that the cell configuration with Tri-carrier is not supported by the equipped modem type.		
<b>Impact:</b> Telecom traffic is not enabled for the cell.		
<b>Remedial action:</b> Verify and correct the configuration data.		

**Table 39-376 IK4306109 - CB TWAMP EXCESS CONTROL SESSION REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4306109 (8006) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP EXCESS CONTROL SESSION REQUEST (1910) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates 5 TWAMP Control sessions have been requested in a VLAN. 4 is the maximum supported number.		
<b>Impact:</b> TWAMP Control sessions above the number supported are ignored.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

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Table 39-377 IK4306110 - CB TWAMP TEST SESSION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306110 (8007) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP TEST SESSION FAILURE (1911) Implicitly cleared: true Default probable cause: informationMissing (792)	Unspecified
<b>Description:</b> A TWAMP session in the VLAN has failed based on lack of incoming Test packets for a period of time configured by SERVWAIT/REFWAIT timers.		
<b>Impact:</b> TWAMP session with loss of packets is terminated.		
<b>Remedial action:</b> Check TWAMP client and the backhaul link between TWAMP client and base station for any backhaul connectivity failure.		

Table 39-378 IK4306111 - CB TWAMP MODE MISMATCH

Alarm	Attributes	Applicable major releases
Name: IK4306111 (8008) Type: equipmentAlarm (3) Package: lte Raised on class: lte.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP MODE MISMATCH (1912) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> The server has a TWAMP Control session Request with an unacceptable Mode value. Only 'Unauthenticated' is acceptable.		
<b>Impact:</b> TWAMP Control sessions will be supported only when mode is Unauthenticated.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches the acceptable 'mode' value for Unauthentication.		

Table 39-379 IK4306112 - SCB TWAMP EXCESS TEST SESSION REQUEST

Alarm	Attributes	Applicable major releases
Name: IK4306112 (8009) Type: equipmentAlarm (3) Package: lte Raised on class: lte.MODULE	Severity: warning Specific problem: SCB TWAMP EXCESS TEST SESSION REQUEST (1913) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
<b>Impact:</b> TWAMP test sessions above the number supported are ignored.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

**Table 39-380 IK4306113 - SCB TWAMP EXCESS CONTROL SESSION REQUEST**

Alarm	Attributes	Applicable major releases
Name: IK4306113 (8010) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB TWAMP EXCESS CONTROL SESSION REQUEST (1914) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates 5 TWAMP Control sessions have been requested in a VLAN. 4 is the maximum supported number.		
<b>Impact:</b> TWAMP Control sessions above the number supported are ignored.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

**Table 39-381 IK4306114 - SCB TWAMP TEST SESSION FAILURE**

Alarm	Attributes	Applicable major releases
Name: IK4306114 (8011) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB TWAMP TEST SESSION FAILURE (1915) Implicitly cleared: true Default probable cause: informationMissing (792)	Unspecified
<b>Description:</b> A TWAMP session in the VLAN has failed based on lack of incoming Test packets for a period of time configured by SERVWAIT/REFWAIT timers.		
<b>Impact:</b> TWAMP session with loss of packets is terminated.		
<b>Remedial action:</b> Check TWAMP client and the backhaul link between TWAMP client and base station for any backhaul connectivity failure.		

**Table 39-382 IK4306115 - SCB TWAMP MODE MISMATCH**

Alarm	Attributes	Applicable major releases
Name: IK4306115 (8012) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.MODULE	Severity: warning Specific problem: SCB TWAMP MODE MISMATCH (1916) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> The server has a TWAMP Control session Request with an unacceptable Mode value. Only 'Unauthenticated' is acceptable.		
<b>Impact:</b> TWAMP Control sessions will be supported only when mode is Unauthenticated.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches the acceptable 'mode' value for Unauthentication.		

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Table 39-383 IK4306116 - SIM HEALTH CHECK PHASE 1 - TX PWR FAILED

Alarm	Attributes	Applicable major releases
Name: IK4306116 (8013) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: SIM HEALTH CHECK PHASE 1 - TX PWR FAILED (1917) Implicitly cleared: true Default probable cause: softwareProgramError (720)	Unspecified
<b>Description:</b> This alarm indicates that the System Integrity Monitor, monitoring the health of the eNodeB cell, has detected an active antenna transmit path (Cell, RFM id, antenna port #) with zero power continually for the Phase 1 detection period.		
<b>Impact:</b> Telecom: The alarm is notice that the cell is degraded. OAM: no impact..		
<b>Remedial action:</b> No action is required. If the degradation persists, SIM may escalate to Local Recovery Action on the implicated cell.		

Table 39-384 IK4306117 - SIM HEALTH CHECK PHASE 1 - LOW RRC SUCCESS RATE

Alarm	Attributes	Applicable major releases
Name: IK4306117 (8014) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: major Specific problem: SIM HEALTH CHECK PHASE 1 - LOW RRC SUCCESS RATE (1918) Implicitly cleared: true Default probable cause: softwareProgramError (720)	Unspecified
<b>Description:</b> This alarm indicates that the System Integrity Monitor, monitoring the health of the eNodeB, has detected a degradation in the RRC Success Rate on the cell. This is the SIM Phase 1 detection.		
<b>Impact:</b> Telecom: The alarm is notice that the RRC Success Rate is degraded. OAM: no impact.		
<b>Remedial action:</b> No action is required. If the degradation persists, SIM may escalate to Local Recovery Action.		

Table 39-385 IK4306118 - SIM HEALTH CHECK PHASE 2 - LOW RRC SUCCESS RATE

Alarm	Attributes	Applicable major releases
Name: IK4306118 (8015) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.Cell	Severity: critical Specific problem: SIM HEALTH CHECK PHASE 2 - LOW RRC SUCCESS RATE (1919) Implicitly cleared: true Default probable cause: softwareProgramError (720)	Unspecified
<b>Description:</b> This alarm indicates that the System Integrity Monitor, monitoring the health of the eNodeB, has detected that the RRC Success Rate degradation has persisted beyond the configurable limit. This is the SIM Phase 2 detection.		
<b>Impact:</b> Telecom: The alarm is notice that the RRC Success Rate is degraded. OAM: no impact.		
<b>Remedial action:</b> No action is required. If SIM escalation to Local Recovery Action is allowed, SIM will automatically trigger Local Recovery Action to try to restore service on this cell.		



Table 39-386 IK4306119 - SIM HEALTH CHECK - MAXIMUM NUMBER OF LRA REACHED

Alarm	Attributes	Applicable major releases
Name: IK4306119 (8016) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: variable Specific problem: SIM HEALTH CHECK - MAXIMUM NUMBER OF LRA REACHED (1920) Implicitly cleared: true Default probable cause: softwareProgramError (720)	Unspecified
<b>Description:</b> The OAM System Integrity Monitor has run a SIM Health Check on the cell and has detected a degradation that has escalated to the point of Phase 2 recovery. But, since SIM has already taken the configurable maximum number of SIM triggered Phase 2 recovery actions on this cell in a 24 hour period, SIM is prevented from taking recovery on this detection. Investigation is required to determine the cause for the frequent degradations.		
<b>Impact:</b> Telecom: The cell is degraded according to the health check that is failing. OAM: no impact.		
<b>Remedial action:</b> No action is required.		

Table 39-387 IK4306120 - UNEXPECTED RFME MODULE RESET

Alarm	Attributes	Applicable major releases
Name: IK4306120 (8017) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.RFME	Severity: variable Specific problem: UNEXPECTED RFME MODULE RESET (1921) Implicitly cleared: true Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> This event indicates that the ENB suffered from an unexpected, unplanned failure on the RFME. Specific details are in the Additional Text.		
<b>Impact:</b> Depending on the nature of the failure, some Telecom or OAM functionalities may not be available during recovery. On successful reset, the Telecom and OAM functionalities are available.		
<b>Remedial action:</b> No action is required.		

Table 39-388 IK4306121 - SIM HEALTH CHECK PHASE 2 - TX PWR FAILED

Alarm	Attributes	Applicable major releases
Name: IK4306121 (8018) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.Cell	Severity: critical Specific problem: SIM HEALTH CHECK PHASE 2 - TX PWR FAILED (1922) Implicitly cleared: true Default probable cause: softwareProgramError (720)	Unspecified
<b>Description:</b> This alarm indicates that the System Integrity Monitor, monitoring the health of the eNodeB, has detected an active antenna transmit path (Cell, RFM id, antenna port #) with zero power continually for the Phase 2 detection period.		
<b>Impact:</b> Telecom: The alarm is notice that the cell is degraded. OAM: no impact.		
<b>Remedial action:</b> No action is required. If SIM escalation to Local Recovery Action is allowed, SIM will automatically trigger Local Recovery Action to try to restore service on this cell.		

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Table 39-389 IK4306122 - SMART COLLECTION SERVICE ACTION PLAN COMPLETE

Alarm	Attributes	Applicable major releases
Name: IK4306122 (8019) Type: processingErrorAlarm (81) Package: Ite Raised on class: Ite.ENBEquipment	Severity: variable Specific problem: SMART COLLECTION SERVICE ACTION PLAN COMPLETE (1923) Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This event indicates that the Smart Collection Service initiated a smart data collection and has either 1) created a Local File, 2) streamed DDT to the DTC, and/or 3) used On Demand File Collection to push the ODFC archive to the Snapshots and Postmortem Collector entity (SPC). This was triggered by a fault event or state change. Specific details about the triggering event and the files that were collected are in the Additional Text.		
<b>Impact:</b> Telecom: no impact. OAM: no impact.		
<b>Remedial action:</b> No action is required.		

Table 39-390 IK4306123 - HANDOVER OPTIMIZATION ADJUSTMENT STARTED

Alarm	Attributes	Applicable major releases
Name: IK4306123 (8020) Type: qualityOfServiceAlarm (82) Package: Ite Raised on class: Ite.Cell	Severity: warning Specific problem: HANDOVER OPTIMIZATION ADJUSTMENT STARTED (1924) Implicitly cleared: true Default probable cause: unspecifiedReason (802)	Unspecified
<b>Description:</b> This alarm indicates the SON process that adjusts intra-frequency handover parameters has started adjusting handover parameters.		
<b>Impact:</b> MRO adjustment has begun and tuning of handover parameters is in progress for handover optimization.		
<b>Remedial action:</b> None.		

Table 39-391 IK4306124 - CB TWAMP EXCESS TEST SESSION REQUEST

Alarm	Attributes	Applicable major releases
Name: IK4306124 (8021) Type: equipmentAlarm (3) Package: Ite Raised on class: Ite.CBCardSpecifics	Severity: warning Specific problem: CB TWAMP EXCESS TEST SESSION REQUEST (1925) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm indicates 6 TWAMP test-sessions have been requested in a TWAMP Control-session in a VLAN. 5 is the maximum supported number.		
<b>Impact:</b> TWAMP test sessions above the number supported are ignored.		
<b>Remedial action:</b> Check TWAMP client configuration to ensure it matches maximum requirements of the base station server.		

Table 39-392 IK4306126 - RFM CONFIGURATION FAILURE

Alarm	Attributes	Applicable major releases
Name: IK4306126 (8022) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.RFM	Severity: major Specific problem: RFM CONFIGURATION FAILURE (1926) Implicitly cleared: true Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This alarm indicates the failure to configure the RFM.		
<b>Impact:</b> Telecom: The telecom resources processed by the module are lost as the module is out of service. OAM: No impact on OAM service.		
<b>Remedial action:</b> Reset the module. If the alarm persists, replace the module.		

Table 39-393 IK4901006 - UNSUPPORTED DELEGATION BY OTHER CONTROLLER

Alarm	Attributes	Applicable major releases
Name: IK4901006 (2766) Type: equipmentAlarm (3) Package: lte Raised on class: lte.RFM	Severity: warning Specific problem: UNSUPPORTED DELEGATION BY OTHER CONTROLLER (1347) Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> The primary controller for this RE (CDMA, WCDMA or GSM) has delegated a management function such as 'Software Management' to the LTE controller. This function is not supported by this LTE release.		
<b>Impact:</b> The delegated management function (e.g. software management) is not currently available.		
<b>Remedial action:</b> Reconfigure the RE on the primary controller (CDMA, WCDMA or GSM) to no longer delegate the unsupported management function to LTE.		

Table 39-394 ImportPolicyNotFound

Alarm	Attributes	Applicable major releases
Name: ImportPolicyNotFound (232) Type: configurationAlarm (11) Package: l3fwd Raised on class: l3fwd.ServiceSiteImportPolicy	Severity: major Implicitly cleared: true Default probable cause: importPolicyDoesNotExist (180)	Unspecified
<b>Description:</b> The alarm is raised when a VRF import policy for a VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The VRP import policy must be created and distributed to the NE reporting the problem. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

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Table 39-395 IncompatibleCapacity

Alarm	Attributes	Applicable major releases
Name: IncompatibleCapacity (1166) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: incompatibleCapacity (868)	Unspecified
<b>Description:</b> The alarm is raised when there is a radio capacity incompatibility.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-396 IncompatibleChannelSpacing (equipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleChannelSpacing (1167) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: incompatibleChannelSpacing (869)	Unspecified
<b>Description:</b> The alarm is raised when there is a channel spacing incompatibility.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-397 IncompatibleChannelSpacing (radioequipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleChannelSpacing (1167) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleChannelSpacing (869)	Unspecified
<b>Description:</b> The alarm is raised when a incompatibility of channel spacing value defect raise.		
<b>Remedial action:</b> The alarm is raised when a incompatibility of channel spacing value defect raise.		

Table 39-398 IncompatibleFrequency (mwa)

Alarm	Attributes	Applicable major releases
Name: IncompatibleFrequency (683) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleFrequency (1910)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a provisioned MPT frequency is incompatible with the MPT hardware.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-399 IncompatibleFrequency (radioequipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleFrequency (683) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleFrequency (498)	Unspecified
<b>Description:</b> The alarm is raised when a provisioned MSS frequency is incompatible with the MSS hardware.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-400 IncompatibleModulation

Alarm	Attributes	Applicable major releases
Name: IncompatibleModulation (4417) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleModulation (850)	Unspecified
<b>Description:</b> The alarm is raised when an incompatibility of the modulation value defect raise.		
<b>Remedial action:</b> The alarm is raised when an incompatibility of the modulation value defect raise.		

Table 39-401 IncompatibleModulationParam (mwa)

Alarm	Attributes	Applicable major releases
Name: IncompatibleModulationParam (1144) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleModulationParam (1911)	Unspecified
<b>Description:</b> The alarm is raised when the provisioned modulation parameters are incompatible with the MPT hardware.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-402 IncompatibleModulationParam (radioequipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleModulationParam (1144) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleModulation (850)	Unspecified
<b>Description:</b> The alarm is raised when the configured modulation parameters are not supported by MPT (or) when XPIC is configured on an MPT that does not allow XPIC capability.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-403 IncompatiblePower

Alarm	Attributes	Applicable major releases
Name: IncompatiblePower (3940) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatiblePower (1522)	Unspecified
<b>Description:</b> The alarm is raised when a incompatibility of the power value defect raise.		
<b>Remedial action:</b> The alarm is raised when a incompatibility of the power value defect raise.		

Table 39-404 IncompatibleProtection (equipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleProtection (4824) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: incompatibleProtection (2076)	Unspecified
<b>Description:</b> The alarm is raised in case of hardware incompatibility for 1+1 radio configuration i.e. MPT-HCv2 without RPS or XPIC equipped.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-405 IncompatibleProtection (mwa)

Alarm	Attributes	Applicable major releases
Name: IncompatibleProtection (4824) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleProtection (1912)	Unspecified
<b>Description:</b> The alarm is raised when a incompatible protection scheme is selected.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-406 IncompatiblePTX

Alarm	Attributes	Applicable major releases
Name: IncompatiblePTX (684) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatiblePTX (499)	Unspecified
<b>Description:</b> The alarm is raised when the provisioned MSS transmit power is incompatible with the MSS hardware.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-407 IncompatibleShifter (mwa)

Alarm	Attributes	Applicable major releases
Name: IncompatibleShifter (685) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: Incompatibleshifter (1913)	Unspecified
<b>Description:</b> The alarm is raised when the provisioned MPT shifter parameters are incompatible with the MPT hardware.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-408 IncompatibleShifter (radioequipment)

Alarm	Attributes	Applicable major releases
Name: IncompatibleShifter (685) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: incompatibleShifter (500)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the provisioned MSS shifter parameters are incompatible with the MSS hardware.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-409 IncompatibleTxPower

Alarm	Attributes	Applicable major releases
Name: IncompatibleTxPower (4825) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: IncompatibleTxPower (1914)	Unspecified
<b>Description:</b> The alarm is raised when the provisioned MPT transmit power is incompatible with the MPT hardware.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-410 IncompleteConfig (bundle)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: bundle Raised on class: bundle.MultiChassisApsInterface	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
<b>Description:</b> The alarm is raised when there are not exactly two APS bundles in an APS group.		
<b>Raising condition:</b> (('Number of members' NOT EQUAL '2'))		
<b>Clearing condition:</b> (('Number of members' EQUAL '2'))		
<b>Remedial action:</b> Configure the missing peered object.		

Table 39-411 IncompleteConfig (lag)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: lag Raised on class: lag.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
<b>Description:</b> The alarm is raised when an MC LAG has fewer than two members.		
<b>Raising condition:</b> ('numberOfMembers' NOT EQUAL '2')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('numberOfMembers' EQUAL '2')		
<b>Remedial action:</b> Configure the missing peered object.		

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Table 39-412 IncompleteConfig (rmon)

Alarm	Attributes	Applicable major releases
Name: IncompleteConfig (294) Type: configurationAlarm (11) Package: rmon Raised on classes: <ul style="list-style-type: none"> <li>rmon.Event</li> <li>rmon.Alarm</li> </ul>	Severity: major Implicitly cleared: true Default probable cause: incompleteConfig (225)	Unspecified
<b>Description:</b> The alarm is raised when an object is created with default values but not yet made active.		
<b>Raising condition:</b> ('Status' EQUAL 'Under Creation')		
<b>Clearing condition:</b> ('Status' NOT EQUAL 'Under Creation')		
<b>Remedial action:</b> The object is created with default values but not yet made active. Please activate.		

Table 39-413 InconsistenciesOnNode

Alarm	Attributes	Applicable major releases
Name: InconsistenciesOnNode (1077) Type: integrityViolation (85) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: inconsistenciesOnNode (813)	Unspecified
<b>Description:</b> The alarm is raised when a device detects one or more configuration inconsistencies. On a 9500 MPR, this can be caused by cross-connect creation failure during service creation.		
<b>Remedial action:</b> Please click on the clear inconsistencies button from the NE properties GUI form to clear the inconsistencies.		

Table 39-414 InstanceIdMismatch

Alarm	Attributes	Applicable major releases
Name: InstanceIdMismatch (416) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: instanceIdMismatch (309)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a local SRRP SAP is backed up by a different SRRP instance on a remote peer.		
<b>Remedial action:</b> Reconfigure the instance so that the peer SRRP instances have the same ID.		

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Table 39-415 InSufficientBandwidth

Alarm	Attributes	Applicable major releases
Name: InSufficientBandwidth (745) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: inSufficientBandwidth (521)	Unspecified
<b>Description:</b> The alarm is raised when there is insufficient bandwidth on a radio link between hops in a service.		
<b>Remedial action:</b> Information - Service cannot be deployed because insufficient bandwidth on the port. Use a different port or ensure the required bandwidth.		

Table 39-416 InterfaceDbDescriptAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceDbDescriptAuthFailure (46) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>authTypeMismatch</li> <li>authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-417 InterfaceDbDescriptConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceDbDescriptConfig (40) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-418 InterfaceHelloAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceHelloAuthFailure (45) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-419 InterfaceHelloConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceHelloConfig (39) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-420 InterfaceLsAckAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceLsAckAuthFailure (49) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an lsAck packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a lsAck packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-421 InterfaceLsAckConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceLsAckConfig (43) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsAck packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsAck packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-422 InterfaceLsReqAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceLsReqAuthFailure (47) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-423 InterfaceLsReqConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceLsReqConfig (41) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-424 InterfaceLsUpdateAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceLsUpdateAuthFailure (48) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsUpdate packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsUpdate packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-425 InterfaceLsUpdateConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceLsUpdateConfig (42) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an LsUpdate packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a LsUpdate packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-426 InterfaceNullPacketAuthFailure

Alarm	Attributes	Applicable major releases
Name: InterfaceNullPacketAuthFailure (50) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a non-virtual interface from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a non-virtual interface from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-427 InterfaceNullPacketConfig

Alarm	Attributes	Applicable major releases
Name: InterfaceNullPacketConfig (44) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifTypeMismatch</li> <li>• nullRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a non-virtual interface from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a non-virtual interface from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-428 InterfaceRxBadPacket

Alarm	Attributes	Applicable major releases
Name: InterfaceRxBadPacket (51) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> <li>• hello</li> <li>• dbDescript</li> <li>• lsReq</li> <li>• lsUpdate</li> <li>• lsAck</li> <li>• nullPacket</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE cannot parse an OSPF packet that it receives on a non-virtual interface.		
<b>Remedial action:</b> Informational - an NE cannot parse an OSPF packet that it receives on a non-virtual interface.		



**Table 39-429 InternalCommunicationProblem (equipment)**

Alarm	Attributes	Applicable major releases
Name: InternalCommunicationProblem (627) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: internalCommunicationProblem (466)	Unspecified
<b>Description:</b> The alarm is raised when an ODU is unresponsive.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

**Table 39-430 InternalCommunicationProblem (mpr)**

Alarm	Attributes	Applicable major releases
Name: InternalCommunicationProblem (627) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: internalCommunicationProblem (466)	Unspecified
<b>Description:</b> The alarm is raised when an MPTHLv2 is unresponsive.		
<b>Remedial action:</b> The alarm is raised when there is a loss of communication with MPT. Please refer 9500 Node Maintenance manual for remedial action information.		

**Table 39-431 InterRedundantMPTCommunicationFailure**

Alarm	Attributes	Applicable major releases
Name: InterRedundantMPTCommunicationFailure (4826) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: InternalCommunicationProblem (1915)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a Inter Redundant MPTs Communication Failure		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-432 InterXPolarizedMPTCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: InterXPolarizedMPTCommunicationFailure (4827) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: InternalCommunicationProblem (1915)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a Inter X-Polarized MPTs Communication Failure		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-433 InvalidBOFAddress

Alarm	Attributes	Applicable major releases
Name: InvalidBOFAddress (1141) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NodeDiscoveryControl	Severity: warning Implicitly cleared: false Default probable cause: invalidBOF (847)	Unspecified
<b>Description:</b> The alarm is raised during a network topology rescan in which the 5620 SAM does not find a previously configured NE BOF address, and the Management IP Selection of the NE is set to one of the following: - Out Of Band Preferred - In Band Preferred		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The BOF address must be configured on the NE.		

Table 39-434 InvalidJoinPrune

Alarm	Attributes	Applicable major releases
Name: InvalidJoinPrune (185) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidJoinPruneReceived (145)	Unspecified
<b>Description:</b> The alarm is raised when the RP address in a Join Prune message is not the RP for the group specified in the message.		
<b>Remedial action:</b> Informational - please make sure the RP address in a Join Prune message is the RP for the group specified		

Table 39-435 InvalidRegister

Alarm	Attributes	Applicable major releases
Name: InvalidRegister (186) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidJoinRegisterReceived (146)	Unspecified
<b>Description:</b> The alarm is raised when the RP address in a Register message is not the RP for the group specified in the message.		
<b>Remedial action:</b> Informational - please make sure the RP address in a Register message is the RP for the group specified		

Table 39-436 invalidRPLoopbackInterfaceConfig

Alarm	Attributes	Applicable major releases
Name: invalidRPLoopbackInterfaceConfig (269) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: warning Implicitly cleared: true Default probable cause: invalidRPLoopbackIfConfig (201)	Unspecified
<b>Description:</b> The alarm is raised when an RP loopback interface configuration is invalid.		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the loopback is properly configured, PIM is enabled on the loopback interface.		

Table 39-437 IpAddressManaged

Alarm	Attributes	Applicable major releases
Name: IpAddressManaged (4388) Type: IpAddressManaged (124) Package: ptp Raised on class: ptp.SourceEntryPoint	Severity: info Implicitly cleared: false Default probable cause: IpAddressManaged (1571)	Unspecified
<b>Description:</b> The alarm is raised when unmanaged IP address becomes managed virtual router IP address.		
<b>Remedial action:</b> The source entry point unmanaged IP address becomes managed virtual router IP address. Please re-configure source entry point.		

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Table 39-438 IpAddressOverlap

Alarm	Attributes	Applicable major releases
Name: IpAddressOverlap (3318) Type: configurationAlarm (11) Package: rtr Raised on class: rtr.VirtualRouterIpAddress	Severity: warning Implicitly cleared: true Default probable cause: IpAddressOverlap (1157)	Unspecified
<b>Description:</b> The alarm is raised when the IP addresses configured on different VPRN sites within service overlap.		
<b>Remedial action:</b> Please check the IP Addresses configured on different VPRN sites have no overlap.		

Table 39-439 IPListMismatch

Alarm	Attributes	Applicable major releases
Name: IPListMismatch (282) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: warning Implicitly cleared: true Default probable cause: nonMatchingBackupAddressList (214)	Unspecified
<b>Description:</b> The alarm is raised when the IP address list in an advertisement message from the current master does not match the configured IP address list.		
<b>Remedial action:</b> Check the configured IP addresses, make sure they match the advertised IP addresses from the master VRRP instance.		

Table 39-440 IpPathDown

Alarm	Attributes	Applicable major releases
Name: IpPathDown (1916) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: ipPathDown (918)	Unspecified
<b>Description:</b> This alarm is raised when the re-calculation by the CPAA shows that no IP Path is available.		
<b>Remedial action:</b> Informational - The IP path record provides an Error code which provides a clue on why the path is down.		

**Table 39-441 IpPathMonitorFailedRetryThresholdCrossed**

Alarm	Attributes	Applicable major releases
Name: IpPathMonitorFailedRetryThresholdCrossed (400) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: ipPathCouldNotBeDetermined (299)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM cannot set up an IP path monitor after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
<b>Remedial action:</b> Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

**Table 39-442 IpPathMonitorRetryAttemptsExhausted**

Alarm	Attributes	Applicable major releases
Name: IpPathMonitorRetryAttemptsExhausted (401) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: false Default probable cause: ipPathCouldNotBeDetermined (299)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM stops trying to set up an IP path monitor after the number of attempts specified by the cpamManagedRoute problematicDeadAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The default problematicRetryStrategy value of reactive prevents the alarm from being raised.		
<b>Remedial action:</b> Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

**Table 39-443 IpPathMulticastWarning**

Alarm	Attributes	Applicable major releases
Name: IpPathMulticastWarning (1917) Type: topologyAlarm (34) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: IpPathSegmentNotMulticastEnabled (919)	Unspecified
<b>Description:</b> If IP Path is enabled for monitoring Multicast, the alarm is raised when at least one IP Path segment is not Multicast enabled. The alarm is cleared when all the segments are Multicast enabled.		
<b>Remedial action:</b> Informational - The segments without PIM interface enabled can be obtained from path record. PIM should be enabled on these interfaces in order for alarm to be cleared.		

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Table 39-444 IPsecInterfaceBfdSessionDown

Alarm	Attributes	Applicable major releases
Name: IPsecInterfaceBfdSessionDown (3324) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionDown (346)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session is operationally down.		
<b>Remedial action:</b> This alarm is raised when a BFD session on an IPsec interface goes down. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the far end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 39-445 IPsecInterfaceBfdSessionFlapped

Alarm	Attributes	Applicable major releases
Name: IPsecInterfaceBfdSessionFlapped (3905) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionFlapped (1491)	Unspecified
<b>Description:</b> The alarm is raised when a BFD session transitions from Up to Down and back to Up within the BFD operational state transition interval.		
<b>Remedial action:</b> The BFD session on an IPsec interface has transitioned from Up to Down and back to Up within the configured BFD Flapping Interval.		

Table 39-446 IPsecInterfaceBfdSessionMissing

Alarm	Attributes	Applicable major releases
Name: IPsecInterfaceBfdSessionMissing (3325) Type: bfdSessionAlarm (46) Package: service Raised on class: service.IPsecInterface	Severity: warning Implicitly cleared: true Default probable cause: bfdSessionMissing (345)	Unspecified
<b>Description:</b> The alarm is raised when a previously present BFD session is absent.		
<b>Remedial action:</b> This alarm is raised when a previously present BFD session on an IPsec interface is absent. The situation may occur if the underlying physical interface is down either because of administrative disabling or a fault on the near end port or due to a cable connection or cable failure. This alarm will also be raised if the underlying transport network fails or is unreliable. Resolving the underlying instability in the transport network will correct this problem.		

Table 39-447 IPSecRUSAFailToAddRoute

Alarm	Attributes	Applicable major releases
Name: IPSecRUSAFailToAddRoute (5185) Type: processingErrorAlarm (81) Package: ipsec Raised on class: ipsec.IPSecSecuredVpnManager	Severity: warning Implicitly cleared: false Default probable cause: IPSecRUSAFailToAddRoute (2101)	Unspecified
<b>Description:</b> The trap tIPsecRUSAFailToAddRoute is sent when adding route to tIPsecRUSARemAddr for the remote-user tunnel fails with reason indicated by tIPsecNotifReason.		
<b>Remedial action:</b> Informational - Please see reason for failure.		

Table 39-448 IPsecRUTnIFailToCreate

Alarm	Attributes	Applicable major releases
Name: IPsecRUTnIFailToCreate (5186) Type: processingErrorAlarm (81) Package: ipsec Raised on class: ipsec.IPSecGateway	Severity: warning Implicitly cleared: false Default probable cause: IPsecRUTnIFailToCreate (2102)	Unspecified
<b>Description:</b> This alarm is sent when creation of a remote-user tunnel fails with reason indicated by notifReason.		
<b>Remedial action:</b> Informational - Please see reason for failure.		

Table 39-449 IsaAaGrpBitRate

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpBitRate (2948) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpBitRate (1143)	Unspecified
<b>Description:</b> The alarm is raised when the current bit rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxBitRateHighWatermark, and the prior bit rate is less than the threshold.		
<b>Remedial action:</b> The current bit rate on the MDA in the ISA-AA group is greater than or equal to the configured Bit Rate High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Packet Rate High Watermark to maximum.		

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Table 39-450 IsaAaGrpCapCostThres

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpCapCostThres (835) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: false Default probable cause: IsaAaGrpCapCostThres (595)	Unspecified
<b>Description:</b> The alarm is raised when the capacity cost for an MDA in an ISA-AA group reaches the configured threshold.		
<b>Remedial action:</b> The capacity cost high threshold for the MDA in the ISA-AA group has been reached.		

Table 39-451 IsaAaGrpFailure

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpFailure (564) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: true Default probable cause: isaAaGrpFailure (434)	Unspecified
<b>Description:</b> The alarm is raised when an ISA-AA Group has no configured primary MDA or the number of active MDAs is not equal to the number of configured primary MDAs.		
<b>Remedial action:</b> There is a failure on the ISA-AA group. Ensure that ISA-AA group has a primary MDA group member configured, and that the number of active MDAs is equal to the number of configured primary MDAs.		

Table 39-452 IsaAaGrpFlowFull

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpFlowFull (566) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpFlowFull (436)	Unspecified
<b>Description:</b> The alarm is raised when an ISA-AA group uses a greater number of flow records than the value specified by tmnxBsxFowFullHighWatermark.		
<b>Remedial action:</b> The number of flow records that the ISA-AA group is using is greater than or equal to the configured Flow Full High Watermark. The threshold configured should be revisited to ensure that it is not set too low.		



Table 39-453 IsaAaGrpFlowSetup

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpFlowSetup (2949) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpFlowSetup (1144)	Unspecified
<b>Description:</b> The alarm is raised when the current flow setup rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxFwSetupHighWatermark, and the prior bit rate is less than the threshold.		
<b>Remedial action:</b> The current flow setup rate on the MDA in the ISA-AA group is greater than or equal to the configured Flow Setup High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Flow Setup High Watermark to maximum.		

Table 39-454 IsaAaGrpFmSbWaSBufOvld

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpFmSbWaSBufOvld (2950) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpFmSbWaSBufOvld (1145)	Unspecified
<b>Description:</b> The alarm is raised when the current weighted average shared buffer for an ISA in the from subscriber direction is greater than or equal to a high water mark in a normal, non-overloaded, state.		
<b>Remedial action:</b> The ISA-AA Egress From-Subscriber buffer pool has entered an overload state as determined by the configured Buffer Utilization High Watermark. The threshold configured should be revisited to ensure it is not set too low. To disable the notification, set the Buffer Utilization High Watermark to the maximum.		

Table 39-455 IsaAaGrpNonRedundant

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpNonRedundant (565) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpNonRedundant (435)	Unspecified
<b>Description:</b> The alarm is raised when an ISA-AA Group has a configured backup MDA but there is no standby MDA available.		
<b>Remedial action:</b> The ISA-AA Group has a configured backup MDA but there is no standby MDA available. Check that the configured standby MDA is active and operationally up. There may be a fault with the ISA Application Assurance MDA.		

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Table 39-456 IsaAaGrpOvrldCutthru

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpOvrldCutthru (2951) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpOvrldCutthru (1146)	Unspecified
<b>Description:</b> The alarm is raised when cut through processing starts on an ISA MDA.		
<b>Remedial action:</b> Overload Cut-Through is enabled on the ISA-AA Group. All traffic is cut-through and the ISA-AA MDA is overloaded. Disable Overload Cut-Through if this is not required.		

Table 39-457 IsaAaGrpPacketRate

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpPacketRate (2952) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpPacketRate (1147)	Unspecified
<b>Description:</b> The alarm is raised when the current packet rate on the MDA in the ISA-AA group is greater than or equal to tmnxBsxBsxPacketRateHighWatermark, and the prior rate is less than this threshold.		
<b>Remedial action:</b> The current packet rate on the MDA in the ISA-AA group is greater than or equal to the configured Packet Rate High Watermark. The threshold configured should be revisited to ensure that it is not set too low. To disable the notification, set the Packet Rate High Watermark to maximum.		

Table 39-458 IsaAaGrpSwitchover

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpSwitchover (567) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroup	Severity: warning Implicitly cleared: false Default probable cause: isaAaGrpSwitchover (437)	Unspecified
<b>Description:</b> The alarm is raised when an ISA-AA group experiences an activity switch from one ISA-AA to another.		
<b>Remedial action:</b> The ISA-AA Group has performed an activity switch from one ISA-AA MDA to another.		

Table 39-459 IsaAaGrpToSbWaSBufOvld

Alarm	Attributes	Applicable major releases
Name: IsaAaGrpToSbWaSBufOvld (2953) Type: equipmentAlarm (3) Package: isa Raised on class: isa.AaGroupMember	Severity: warning Implicitly cleared: true Default probable cause: IsaAaGrpToSbWaSBufOvld (1148)	Unspecified
<b>Description:</b> The alarm is raised when the current weighted average shared buffer use for an ISA in the To subscriber direction, is greater than or equal to a high water mark, after being in a normal or non-overloaded state.		
<b>Remedial action:</b> The ISA-AA Egress To-Subscriber buffer pool has entered an overload state as determined by the configured Buffer Utilization High Watermark. The threshold configured should be revisited to ensure it is not set too low. To disable the notification, set the Buffer Utilization High Watermark to the maximum.		

Table 39-460 IsidMisconfiguration (epipe)

Alarm	Attributes	Applicable major releases
Name: IsidMisconfiguration (592) Type: configurationAlarm (11) Package: epipe Raised on class: epipe.Epipe	Severity: warning Implicitly cleared: true Default probable cause: isidInconsistent (446)	Unspecified
<b>Description:</b> The alarm is raised when Epipe service sites that are bound to a PBB backbone use different ISID values.		
<b>Raising condition:</b> ('operationalFlags'anyBit'ISID Inconsistent')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'ISID Inconsistent'))		
<b>Remedial action:</b> All service sites must use consistent I-SID values for a PBB backbone.		

Table 39-461 IsidMisconfiguration (vpls)

Alarm	Attributes	Applicable major releases
Name: IsidMisconfiguration (592) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: isidInconsistent (446)	Unspecified
<b>Description:</b> The alarm is raised when service sites use inconsistent I-SID values for a PBB backbone. The alarm is raised against a VPLS or M-VPLS service.		
<b>Raising condition:</b> ('operationalFlags'anyBit'ISID Inconsistent')		
<b>Clearing condition:</b> NOT (('operationalFlags'anyBit'ISID Inconsistent'))		
<b>Remedial action:</b> All service sites must use consistent I-SID values for a PBB backbone.		

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Table 39-462 IsisAreaMismatch

Alarm	Attributes	Applicable major releases
Name: IsisAreaMismatch (156) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: true Default probable cause: areaTypeMisconfigured (34)	Unspecified
<b>Description:</b> The alarm is raised when IS-IS receives a Hello PDU from an IS with which it does not share an area address.		
<b>Remedial action:</b> Check whether NET address is configured and the AREA ID between two adjacencies are not the same.		

Table 39-463 IsisAuthFailure

Alarm	Attributes	Applicable major releases
Name: IsisAuthFailure (155) Type: authenticationAlarm (14) Package: isis Raised on class: isis.Site	Severity: ng Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
<b>Description:</b> The alarm is raised when IS-IS receives a PDU that contains incorrect authentication information.		
<b>Remedial action:</b> The authentication information on the ISIS Site needs to be changed to match its neighbours.		

Table 39-464 IsisAuthTypeFailure

Alarm	Attributes	Applicable major releases
Name: IsisAuthTypeFailure (154) Type: authenticationAlarm (14) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: true Default probable cause: authFailure (46)	Unspecified
<b>Description:</b> The alarm is raised when IS-IS receives a PDU that contains the wrong authentication type.		
<b>Remedial action:</b> The authentication information on the ISIS Site needs to be changed to match its neighbours.		

Table 39-465 IsisExportLimitDropped

Alarm	Attributes	Applicable major releases
Name: IsisExportLimitDropped (838) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the number of routes exported from the route table to an IS-IS level drops below the Export Limit value for the level.		
<b>Remedial action:</b> Informational.		

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Table 39-466 IsisExportLimitReached

Alarm	Attributes	Applicable major releases
Name: IsisExportLimitReached (839) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes exported from the route table to an IS-IS level is equal to the Export Limit value for the level.		
<b>Remedial action:</b> Informational - the number of routes exported from the route table to an IS-IS level is equal to the Export Limit value for the level		

Table 39-467 IsisExportLimitWarning

Alarm	Attributes	Applicable major releases
Name: IsisExportLimitWarning (840) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes exported from the route table to an IS-IS level is equal to the Export Limit percentage specified by the Export Limit Log Percent value.		
<b>Remedial action:</b> Informational - the number of routes exported from the route table to an IS-IS level is equal to the Export Limit percentage specified by the Export Limit Log Percent value.		

Table 39-468 IsisLspRateThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: IsisLspRateThresholdExceeded (376) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: unstableIGPNetwork (241)	Unspecified
<b>Description:</b> The alarm is raised when the IS-IS LSP rate exceeds the maximum allowed value because of an unstable IGP network.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

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Table 39-469 IsisLspThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: IsisLspThresholdExceeded (375) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: largeIGPNetwork (276)	Unspecified
<b>Description:</b> The alarm is raised when the number of IS-IS LSPs exceeds the maximum allowed value because of a large IGP network.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 39-470 IsisManualAddressDrops

Alarm	Attributes	Applicable major releases
Name: IsisManualAddressDrops (157) Type: configurationAlarm (11) Package: isis Raised on class: isis.Site	Severity: warning Implicitly cleared: false Default probable cause: noError (44)	Unspecified
<b>Description:</b> The alarm is raised when a manual area address assigned to an IS is ignored during a route computation.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-471 IsisReachabilityThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: IsisReachabilityThresholdExceeded (377) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: manyExternalLSAsFloodingIntoIGP (271)	Unspecified
<b>Description:</b> The alarm is raised when the IS-IS reachability value exceeds the maximum allowed value because too many external LSAs are flooding the IGP.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. The advertised routes can be viewed using CPAM IGP prefix list.		

Table 39-472 IsisRejectedAdjacency

Alarm	Attributes	Applicable major releases
Name: IsisRejectedAdjacency (214) Type: adjacencyAlarm (31) Package: isis Raised on class: isis.Interface	Severity: minor Implicitly cleared: true Default probable cause: interfaceMismatch (170)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives a vRtrIsisRejectedAdjacency trap, which indicates that an adjacency cannot be established in response to a Hello PDU from an IS because of a lack of resources.		
<b>Remedial action:</b> Informational, might have exceeded the maximum number of adjacencies allowed.		

Table 39-473 luCS\_asplInactive

Alarm	Attributes	Applicable major releases
Name: luCS_asplInactive (6030) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luCS	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	Unspecified
<b>Description:</b> Notification to inform the application that the FGW's IPSP instance has become inactive		
<b>Remedial action:</b> TBD		

Table 39-474 luPS\_asplInactive

Alarm	Attributes	Applicable major releases
Name: luPS_asplInactive (6044) Type: communicationsAlarm (4) Package: femto Raised on class: femto.luPS	Severity: critical Implicitly cleared: true Default probable cause: communicationsProtocolError (901)	Unspecified
<b>Description:</b> Notification to inform the application that the FGW's IPSP instance has become inactive		
<b>Remedial action:</b> TBD		

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Table 39-475 L2AccessInterfaceChange

Alarm	Attributes	Applicable major releases
Name: L2AccessInterfaceChange (3933) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: info Implicitly cleared: true Default probable cause: SAPChanged (1516)	Unspecified
<b>Description:</b> The alarm is raised when the SAP is changed in Service for 9500.		
<b>Remedial action:</b> Informational - if SAP is changed this alarm is raised.		

Table 39-476 L2tpLnsSePppSessionFailure

Alarm	Attributes	Applicable major releases
Name: L2tpLnsSePppSessionFailure (3901) Type: processingErrorAlarm (81) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: major Implicitly cleared: false Default probable cause: l2tpLnsSePppSessionFailed (1492)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create a new L2TP session.		
<b>Remedial action:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create a new L2TP session. Verify the configuration to have LNS group assigned to the group tunnel profile or tunnel profile. Additionally, verify the length of the auto-generated subscriber identification.		

Table 39-477 L2tpTunnelBlacklisted

Alarm	Attributes	Applicable major releases
Name: L2tpTunnelBlacklisted (4625) Type: processingErrorAlarm (81) Package: l2tp Raised on class: l2tp.TunnelStatus	Severity: variable Implicitly cleared: true Default probable cause: tmnxL2tpTunnelBlacklisted (1893)	Unspecified
<b>Description:</b> This alarm is raised when a L2TP tunnel is added to the tunnel-selection-blacklist. It is automatically cleared when the tunnel is removed from the list.		
<b>Remedial action:</b> In most cases the problem is a configuration mismatch between LAC and LNS, or a problem on LNS. Please refer to the additional text and enable the debug log on event lac-session-setup to figure out the root cause.		



Table 39-478 LacpExpired

Alarm	Attributes	Applicable major releases
Name: LacpExpired (3981) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: LagSubgroupMemberStateChange (1558)	Unspecified
<b>Description:</b> The alarm is raised when Lacp expired on subgroup lag member due to state change.		
<b>Remedial action:</b> The reasons for LACP Expired alarm may vary. The following possible causes of this alarm should be investigated. The partner lag member oper state may have changed or LACP Transmit Standby may have been disabled - this can be remedied by enabling the LACP Transmit Standby on Lag. The partner lag member 802.3ah oper state may have changed - ensure that 802.3ah state is same on both ends. The partner lag member dot1ag state may have changed - ensure that dot1ag state is same on both ends.		

Table 39-479 LagDot1agStateChanged

Alarm	Attributes	Applicable major releases
Name: LagDot1agStateChanged (3982) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: Dot1agStateChange (1559)	Unspecified
<b>Description:</b> The alarm is raised when the subgroup lag member dot1ag state has changed.		
<b>Remedial action:</b> The lag member dot1ag state may have changed - please ensure that dot1ag state is same on both ends.		

Table 39-480 LagEfmOamStateChanged

Alarm	Attributes	Applicable major releases
Name: LagEfmOamStateChanged (3983) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: EfmOamStateChange (1560)	Unspecified
<b>Description:</b> The alarm is raised when the subgroup lag member efmOam state has changed.		
<b>Remedial action:</b> The lag member 802.3ah oper state may have changed - please ensure that 802.3ah state is same on both ends.		

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Table 39-481 LagPartnerOperStateChanged

Alarm	Attributes	Applicable major releases
Name: LagPartnerOperStateChanged (3984) Type: equipmentAlarm (3) Package: lag Raised on class: lag.PortTermination	Severity: minor Implicitly cleared: true Default probable cause: PartnerOperStateChange (1561)	Unspecified
<b>Description:</b> The alarm is raised when the subgroup lag member partner oper state has changed.		
<b>Remedial action:</b> The lag member oper state may have changed or LACP Transmit Standby may have been disabled - this can be remedied by enabling the LACP Transmit Standby on Lag.		

Table 39-482 LanFailure

Alarm	Attributes	Applicable major releases
Name: LanFailure (628) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lanFailure (467)	Unspecified
<b>Description:</b> The alarm is raised when a LAN failure is detected.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-483 LastHopIncorrectLabelAction

Alarm	Attributes	Applicable major releases
Name: LastHopIncorrectLabelAction (352) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: LabelActionIsNotPopOnLastHop (254)	Unspecified
<b>Description:</b> The alarm is raised when the label action specified for the last hop in a static LSP is not a pop action.		
<b>Remedial action:</b> Ensure the last hop configured with a pop label action, if the last hop node is managed by SAM.		

Table 39-484 LastHopNotMatchingDestination

Alarm	Attributes	Applicable major releases
Name: LastHopNotMatchingDestination (351) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: LastHopNotMatchingDestination (253)	Unspecified
<b>Description:</b> The alarm is raised when the last hop in a static LSP is not the destination.		
<b>Remedial action:</b> Ensure the last hop configured in the static LSP match the destination of the LSP, if the last hop node is managed by SAM.		

Table 39-485 LCD

Alarm	Attributes	Applicable major releases
Name: LCD (803) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfCellDelineation (569)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of Cell Delineation signal is detected on an ASAP MDA.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-486 LdpInterfaceDown

Alarm	Attributes	Applicable major releases
Name: LdpInterfaceDown (21) Type: ProtocolAlarm (1) Package: ldp Raised on class: ldp.Interface	Severity: critical Implicitly cleared: false Default probable cause: protocolDown (1)	Unspecified
<b>Description:</b> The alarm is raised when an LDP interface is operationally down.		
<b>Remedial action:</b> Check operational state down reason and state qualifier, then update accordingly.		

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Table 39-487 LegalReq\_legalReqFileDeliveryFailureclearance

Alarm	Attributes	Applicable major releases
Name: LegalReq_legalReqFileDeliveryFailureclearance (6091) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.LegalReq	Severity: minor Implicitly cleared: true Default probable cause: fileError (700)	Unspecified
<b>Description:</b> This alarm is generated when the FGW succeeds in sending a previously failed legal req file.		
<b>Remedial action:</b> TBD		

Table 39-488 Licensed3RouterLimitExceeded

Alarm	Attributes	Applicable major releases
Name: Licensed3RouterLimitExceeded (694) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensed3RouterLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensed3RouterLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-489 Licensed3RouterLimitNearing

Alarm	Attributes	Applicable major releases
Name: Licensed3RouterLimitNearing (695) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 39-490 Licensed3RouterLimitNearlyExceeded**

Alarm	Attributes	Applicable major releases
Name: Licensed3RouterLimitNearlyExceeded (696) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of third-party routers in the 5650 CPAM network reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Third Party Router licenses purchased and available on the CPAM server is insufficient as compared to the number of third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 39-491 LicensedBgpRouteProfileLimitExceeded**

Alarm	Attributes	Applicable major releases
Name: LicensedBgpRouteProfileLimitExceeded (5132) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensedBgpProfileLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedBgpProfileLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Bgp Route Profile Module licenses purchased and available on the CPAM server is insufficient as compared to the number of Bgp Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

**Table 39-492 LicensedBgpRouteProfileLimitNearing**

Alarm	Attributes	Applicable major releases
Name: LicensedBgpRouteProfileLimitNearing (5133) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Bgp Route Profile Module licenses purchased and available on the CPAM server is insufficient as compared to the number of Bgp Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 39-493 LicensedBgpRouteProfileLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedBgpRouteProfileLimitNearlyExceeded (5134) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of BGP Route Profiles in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Bgp Route Profiles Module licenses purchased and available on the CPAM server is insufficient as compared to the number of BGP Route Profiles in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-494 LicensedBigRouterLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedBigRouterLimitExceeded (709) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 100 percent of the 5650 CPAM license capacity.		
<b>Raising condition:</b> ('isLicensedBigRouterLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedBigRouterLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-495 LicensedBigRouterLimitNearing

Alarm	Attributes	Applicable major releases
Name: LicensedBigRouterLimitNearing (710) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 75 to 90 percent of the 5650 CPAM license capacity.		
<b>Remedial action:</b> Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-496 LicensedBigRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedBigRouterLimitNearlyExceeded (711) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent large routers in the network reaches 90 to 100 percent of the 5650 CPAM license capacity.		
<b>Remedial action:</b> Informational - The number of Big Router licenses purchased and available on the CPAM server is insufficient as compared to the number of big routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-497 LicensedImpactAnalysisRouterLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedImpactAnalysisRouterLimitExceeded (712) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of routers in a simulation scenario reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensedRouterLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedRouterLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-498 LicensedImpactAnalysisRouterLimitNearing

Alarm	Attributes	Applicable major releases
Name: LicensedImpactAnalysisRouterLimitNearing (713) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of routers in a simulation scenario reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 39-499 LicensedImpactAnalysisRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedImpactAnalysisRouterLimitNearlyExceeded (714) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicenseScenario	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of routers in a simulation scenario reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of licenses purchased and available on the CPAM server for routers in a simulation scenario is insufficient as compared to the number of routers in a simulation scenario. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-500 LicensedIpPathLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedIpPathLimitExceeded (715) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensedIpPathLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedIpPathLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-501 LicensedIpPathLimitNearing

Alarm	Attributes	Applicable major releases
Name: LicensedIpPathLimitNearing (716) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		



Table 39-502 LicensedIpPathLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedIpPathLimitNearlyExceeded (717) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of IP path monitors in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Path Computation Module licenses purchased and available on the CPAM server is insufficient as compared to the number of PCA paths in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-503 LicensedMcRouterLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedMcRouterLimitExceeded (718) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 100 percent of the license capacity.		
<b>Raising condition:</b> ('isLicensedMcRouterLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedMcRouterLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-504 LicensedMcRouterLimitNearing

Alarm	Attributes	Applicable major releases
Name: LicensedMcRouterLimitNearing (719) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 75 to 90 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

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Table 39-505 LicensedMcRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedMcRouterLimitNearlyExceeded (720) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of multicast routers in the 5650 CPAM reaches 90 to 100 percent of the license capacity.		
<b>Remedial action:</b> Informational - The number of Multicast Router licenses purchased and available on the CPAM server is insufficient as compared to the number of multicast routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-506 LicensedSmallRouterLimitExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedSmallRouterLimitExceeded (727) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamLicensedLimitExceeded (285)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 100 percent of the 5650 CPAM license capacity.		
<b>Raising condition:</b> ('isLicensedSmallRouterLimitExceeded' EQUAL 'true')		
<b>Clearing condition:</b> ('isLicensedSmallRouterLimitExceeded' NOT EQUAL 'true')		
<b>Remedial action:</b> Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-507 LicensedSmallRouterLimitNearing

Alarm	Attributes	Applicable major releases
Name: LicensedSmallRouterLimitNearing (728) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: warning Implicitly cleared: true Default probable cause: cpamLicensedLimitNearing (283)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 75 to 90 percent of the 5650 CPAM license capacity.		
<b>Remedial action:</b> Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-508 LicensedSmallRouterLimitNearlyExceeded

Alarm	Attributes	Applicable major releases
Name: LicensedSmallRouterLimitNearlyExceeded (729) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: major Implicitly cleared: true Default probable cause: cpamLicensedLimitNearlyExceeded (284)	Unspecified
<b>Description:</b> The alarm is raised when the number of Alcatel-Lucent small routers in the network reaches 90 to 100 percent of the 5650 CPAM license capacity.		
<b>Remedial action:</b> Informational - The number of Small Router licenses purchased and available on the CPAM server is insufficient as compared to the number of small routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-509 licenseExpiration

Alarm	Attributes	Applicable major releases
Name: licenseExpiration (2911) Type: configurationAlarm (11) Package: ranlicense Raised on class: ranlicense.RANLicense	Severity: variable Implicitly cleared: true Default probable cause: licenseExpired (1117)	Unspecified
<b>Description:</b> The alarm is raised when a RAN license expires.		
<b>Remedial action:</b> Provide a new LKDI license file with a further expiration date.		

Table 39-510 LicenseMisMatch

Alarm	Attributes	Applicable major releases
Name: LicenseMisMatch (693) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: false Default probable cause: cpamLicenseMisMatch (507)	Unspecified
<b>Description:</b> The alarm is raised when the primary 5650 CPAM server license does not match the standby 5650 CPAM server license.		
<b>Remedial action:</b> Informational - Please ensure that the same license key is installed on both the active and standby SAM/CPAM servers		

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Table 39-511 liDestinationChangeReject

Alarm	Attributes	Applicable major releases
Name: liDestinationChangeReject (551) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorDestinationChangeReject (421)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to modify a mirror destination that is in use by an LI mirror.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-512 liDestinationEnabled

Alarm	Attributes	Applicable major releases
Name: liDestinationEnabled (550) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorDestinationEnabled (420)	Unspecified
<b>Description:</b> The alarm is raised when a mirror destination Operational State changes from Down to Up.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-513 LIF

Alarm	Attributes	Applicable major releases
Name: LIF (804) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfIMAFrame (570)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of IMA Frame signal is detected on an ASAP MDA.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-514 liFilterAssignToltfWarn

Alarm	Attributes	Applicable major releases
Name: liFilterAssignToltfWarn (556) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToltfWarn (426)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an operator tries to assign a filter that is in use by LI to an interface.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-515 liFilterAssignToSapWarn

Alarm	Attributes	Applicable major releases
Name: liFilterAssignToSapWarn (554) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToSapWarn (424)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to assign a filter that is in use by LI to a SAP.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-516 liFilterAssignToSdpWarn

Alarm	Attributes	Applicable major releases
Name: liFilterAssignToSdpWarn (555) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorFilterAssignToSdpWarn (425)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to assign a filter that is in use by LI to an SDP.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-517 LinkAggMemberMisconfigured

Alarm	Attributes	Applicable major releases
Name: LinkAggMemberMisconfigured (652) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagMemberMisconfigured (483)	Unspecified
<b>Description:</b> The alarm is raised when one or more misconfigured LAG members are detected, for example, when some LAG members are in access mode and some are in network mode.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The configuration of the LAG port member should be checked and the configuration error corrected,		

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Table 39-518 LinkAggModeMisconfigured

Alarm	Attributes	Applicable major releases
Name: LinkAggModeMisconfigured (653) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: critical Implicitly cleared: true Default probable cause: lagModeMisconfigured (484)	Unspecified
<b>Description:</b> The alarm is raised when the LAG mode differs from the mode of one or more LAG members, for example, when the LAG mode is access and the LAG members are in network mode.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The configuration of the LAG port member should be checked and the configuration error corrected,		

Table 39-519 LinkAggPortJoin

Alarm	Attributes	Applicable major releases
Name: LinkAggPortJoin (654) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: info Implicitly cleared: false Default probable cause: lagPortJoin (485)	Unspecified
<b>Description:</b> The alarm is raised when a LAG port joins a LAG by entering the attached state.		
<b>Remedial action:</b> Informational.		

Table 39-520 LinkAggPortLeave

Alarm	Attributes	Applicable major releases
Name: LinkAggPortLeave (655) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: info Implicitly cleared: false Default probable cause: lagPortLeave (486)	Unspecified
<b>Description:</b> The alarm is raised when a LAG port leaves a LAG by exiting the attached state.		
<b>Remedial action:</b> Informational.		

Table 39-521 LinkAggPortRemove

Alarm	Attributes	Applicable major releases
Name: LinkAggPortRemove (656) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: warning Implicitly cleared: false Default probable cause: lagPortRemove (487)	Unspecified
<b>Description:</b> The alarm is raised when a LAG port is removed from a LAG because of an invalid configuration.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. Please check the configuration of the port in question.		

Table 39-522 LinkDown (optical)

Alarm	Attributes	Applicable major releases
Name: LinkDown (12) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OpticalLink	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when any of the Optical Link end point is operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the Link End points to understand why the underlying transport network is unreliable.		

Table 39-523 LinkIdentifierMismatch (mwa)

Alarm	Attributes	Applicable major releases
Name: LinkIdentifierMismatch (686) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LinkIdentifierMismatch (1916)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a link identifier mismatch.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-524 LinkIdentifierMismatch (radioequipment)

Alarm	Attributes	Applicable major releases
Name: LinkIdentifierMismatch (686) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: linkIdentifierMismatch (501)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects a link identifier mismatch.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-525 linkLoss

Alarm	Attributes	Applicable major releases
Name: linkLoss (6389) Type: communicationsAlarm (4) Package: femto Raised on class: femto.FemtoNetwork	Severity: critical Implicitly cleared: true Default probable cause: communicationsSubsystemFailure (915)	Unspecified
<b>Description:</b> This alarm indicates that there was a loss of communication link with FileServer.		
<b>Remedial action:</b> TBD		

Table 39-526 liSourceDisabled

Alarm	Attributes	Applicable major releases
Name: liSourceDisabled (563) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceDisabled (433)	Unspecified
<b>Description:</b> The alarm is raised when an LI mirror source Operational State changes from Up to Down.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-527 liSourceEnabled

Alarm	Attributes	Applicable major releases
Name: liSourceEnabled (562) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceEnabled (432)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an LI mirror source Operational State changes from Down to Up.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-528 liSourceFilterAssignReject

Alarm	Attributes	Applicable major releases
Name: liSourceFilterAssignReject (557) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterAssignReject (427)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to modify a filter that is in use by LI.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-529 liSourceFilterAssignWarn

Alarm	Attributes	Applicable major releases
Name: liSourceFilterAssignWarn (559) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterAssignWarn (429)	Unspecified
<b>Description:</b> The alarm is raised when an operator assigns a mirror filter that is in use by LI and the assignment may be overruled.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-530 liSourceFilterChanged

Alarm	Attributes	Applicable major releases
Name: liSourceFilterChanged (3313) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceLiFilterChanged (1152)	Unspecified
<b>Description:</b> The alarm is raised when a parameter of a filter which is referenced by Lawful Intercept (LI), or a parameter of one of its entry is changed. This notification may be triggered only if the LI filter lock is overruled, and one of the following actions occurs: -a filter referenced by LI has been deleted. -one of the parameters (default-action, scope) of a filter which is referenced by LI has been changed. -a filter which is referenced by LI is overwritten. -a new entry is created for a filter which is referenced by LI. -an entry of a filter which is referenced by LI is activated. -an entry is removed from a filter which is referenced by LI. -an entry of a filter which is referenced by LI is renumbered. -one of the parameters of an entry in a filter which is referenced by LI is changed.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-531 liSourceFilterOverruled

Alarm	Attributes	Applicable major releases
Name: liSourceFilterOverruled (558) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMgmtSite	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceFilterOverruled (428)	Unspecified
<b>Description:</b> The alarm is raised when the assignment of a mirror filter is overruled by another filter assignment.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-532 liSourceIP6FltrChangeReject

Alarm	Attributes	Applicable major releases
Name: liSourceIP6FltrChangeReject (4377) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceIP6FltrChangeReject (1562)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to modify an IPv6 filter or an IPv6 filter entry that is in use by LI.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-533 liSourceIPFltrChangeReject

Alarm	Attributes	Applicable major releases
Name: liSourceIPFltrChangeReject (552) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceIPFltrChangeReject (422)	Unspecified
<b>Description:</b> The alarm is raised when an operator tries to modify an IP filter or an IP filter entry that is in use by LI.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-534 liSourceMacFltrChangeReject

Alarm	Attributes	Applicable major releases
Name: liSourceMacFltrChangeReject (553) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LIMirrorSiteCfg	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceMacFltrChangeReject (423)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when an operator tries to modify a MAC filter or a MAC filter entry that is in use by LI.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-535 liSourceSapChange

Alarm	Attributes	Applicable major releases
Name: liSourceSapChange (560) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceInterface	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSapChange (430)	Unspecified
<b>Description:</b> The alarm is raised when a SAP that is associated with LI is modified or deleted.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-536 liSourceSubscriberChange

Alarm	Attributes	Applicable major releases
Name: liSourceSubscriberChange (561) Type: ConfigurationAlarm (15) Package: mirrorli Raised on class: mirrorli.LISourceSubscriberHost	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSubChange (431)	Unspecified
<b>Description:</b> The alarm is raised when a subscriber that is associated with LI is modified or deleted.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-537 LocalRadioTxMuteAbnormalState

Alarm	Attributes	Applicable major releases
Name: LocalRadioTxMuteAbnormalState (3941) Type: localRadioTxMuteABNAlarm (117) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: LocalRadioTxMuteABNProblem (1523)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to local radio Tx is muted manually.		
<b>Remedial action:</b> The alarm is raised when abnormal state resulted due to local radio Tx is muted manually.		

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Table 39-538 LODS

Alarm	Attributes	Applicable major releases
Name: LODS (805) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: major Implicitly cleared: true Default probable cause: lossOfDelaySynchronization (571)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of Delay Synchronization signal is detected on an ASAP MDA.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-539 LoopbackActivateAbnormalState (equipment)

Alarm	Attributes	Applicable major releases
Name: LoopbackActivateAbnormalState (3942) Type: loopbackActivateABNAlarm (118) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: LoopbackActivateABNProblem (1524)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to loopback activated.		
<b>Remedial action:</b> The alarm is raised when abnormal state resulted due to manual loopback activation by user.		

Table 39-540 LoopbackActivateAbnormalState (radioequipment)

Alarm	Attributes	Applicable major releases
Name: LoopbackActivateAbnormalState (3942) Type: loopbackActivateABNAlarm (118) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: LoopbackActivateABNProblem (1524)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to loopback activated.		
<b>Remedial action:</b> The alarm is raised when abnormal state resulted due to manual loopback activation by user.		

Table 39-541 LoopProblem

Alarm	Attributes	Applicable major releases
Name: LoopProblem (1145) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: loopProblem (851)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when there is a loss of communication command path between far end transmitter and local receiver .		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-542 LossOfAlignment

Alarm	Attributes	Applicable major releases
Name: LossOfAlignment (629) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lossOfAlignment (468)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of Alignment signal is detected.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-543 LossOfCESoEthFrames

Alarm	Attributes	Applicable major releases
Name: LossOfCESoEthFrames (1168) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfCESoEthFrames (870)	Unspecified
<b>Description:</b> The alarm is raised when an Ethernet frame loss is detected on a CES.		
<b>Remedial action:</b> The alarm is raised when a loss occurs on CES over Ethernet Frames.		

Table 39-544 LossOfESMC

Alarm	Attributes	Applicable major releases
Name: LossOfESMC (2939) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: lossOfESMC (1131)	Unspecified
<b>Description:</b> The alarm is raised when a loss of ESMC signal failure is detected.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-545 LossOfFrame (equipment)

Alarm	Attributes	Applicable major releases
Name: LossOfFrame (630) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfFrame (97)	Unspecified
<b>Description:</b> The alarm is raised when an LOF is detected on a port.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-546 LossOfPointer

Alarm	Attributes	Applicable major releases
Name: LossOfPointer (3623) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfPointer (612)	Unspecified
<b>Description:</b> The alarm is raised when a loss of pointer occurs		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-547 LossOfProtection (equipment)

Alarm	Attributes	Applicable major releases
Name: LossOfProtection (1169) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfProtection (871)	Unspecified
<b>Description:</b> The alarm is raised when an MPT radio protection loss occurs.		
<b>Remedial action:</b> The alarm is raised when a protection loss occurs on MPT Radio.		

Table 39-548 LossOfProtection (mpr)

Alarm	Attributes	Applicable major releases
Name: LossOfProtection (1169) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: variable Implicitly cleared: true Default probable cause: lossOfProtection (871)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of Protection occurs		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-549 LossOfRadioFrame

Alarm	Attributes	Applicable major releases
Name: LossOfRadioFrame (4828) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfFrame (1904)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a Loss of Radio Frame from Radio Path		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-550 LossOfRadioFramesAlignment

Alarm	Attributes	Applicable major releases
Name: LossOfRadioFramesAlignment (4829) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LossOfAlignment (1917)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a Loss of Radio Frames Alignment		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-551 LossOfSignal (equipment)

Alarm	Attributes	Applicable major releases
Name: LossOfSignal (631) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: lossOfSignal (99)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a Loss of Signal is detected on a port.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-552 LowSwitchFabricCap

Alarm	Attributes	Applicable major releases
Name: LowSwitchFabricCap (5178) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: major Implicitly cleared: true Default probable cause: LowSwitchFabricCapacity (2094)	Unspecified
<b>Description:</b> The alarm is raised when the total switch fabric capacity becomes less than the line card capacity due to link failures. At least one of the taps on the Card is below 100% capacity.		
<b>Remedial action:</b> 1. Make sure that the hardware switching fabric capacity is more than the line card capacity. 2. Please reboot the card and check if it resolves the problem. If problem persists after reboot, please contact Alcatel-Lucent support for assistance.		

Table 39-553 LpsLearnMac

Alarm	Attributes	Applicable major releases
Name: LpsLearnMac (519) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LearnedPortSecurity	Severity: warning Implicitly cleared: true Default probable cause: portLearnedBridgedMAC (394)	Unspecified
<b>Description:</b> The alarm is raised when an LPS port learns a bridged MAC address.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-554 LpsPortUpAfterLearningWindowExpired

Alarm	Attributes	Applicable major releases
Name: LpsPortUpAfterLearningWindowExpired (517) Type: learnedPortSecurityAlarm (51) Package: lps Raised on class: lps.LPSConfiguration	Severity: warning Implicitly cleared: true Default probable cause: portUpAfterLearningWindowExpired (392)	Unspecified
<b>Description:</b> The alarm is raised either when an LPS port is enabled after the learning window expires and MAC address learning on the port is disabled, or when the learning window expires with slice and port values of 0.		
<b>Remedial action:</b> Informational - no corrective action required.		



Table 39-555 LsdbOverflow

Alarm	Attributes	Applicable major releases
Name: LsdbOverflow (53) Type: equipmentAlarm (3) Package: ospf Raised on class: ospf.Site	Severity: major Implicitly cleared: false Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the number of received external LSAs exceeds the configured number allowed. By default, there is no limit. The alarm information includes the configured LSDB limit and one of the following LSDB overflow states: - 0, which means no overflow - 1, which means nearing limit - 2, which means limit exceeded		
<b>Remedial action:</b> Informational - the number of received external LSAs exceeds the configured number allowed. The alarm will also be raised when external LSAs is nearing limit.		

Table 39-556 LudbDhcpHostGroupIfTooLong

Alarm	Attributes	Applicable major releases
Name: LudbDhcpHostGroupIfTooLong (4627) Type: LudbDhcpHostGroupIfTooLongAlarm (129) Package: localuserdb Raised on class: localuserdb.DhcpHost	Severity: major Implicitly cleared: false Default probable cause: ludbDhcpHostGroupIfTooLong (1895)	Unspecified
<b>Description:</b> The alarm is raised when the default MSAP group interface name of a DHCP Host, concatenated with the port ID is longer than 32 characters.		
<b>Remedial action:</b> The string configured in DHCP Host as default MSAP Group Interface Name concatenated with the port-id is longer than 32 characters. It is an invalid configuration since it exceeds the length allowed for a Group Interface Name. (Please) Reconfigure the MSAP Group Interface Name or refer to the Local User Database documentation for assistance.		

Table 39-557 LudbPppHostGroupIfTooLong

Alarm	Attributes	Applicable major releases
Name: LudbPppHostGroupIfTooLong (4628) Type: LudbPppHostGroupIfTooLongAlarm (130) Package: localuserdb Raised on class: localuserdb.PppHost	Severity: major Implicitly cleared: false Default probable cause: ludbPppHostGroupIfTooLong (1896)	Unspecified
<b>Description:</b> The alarm is raised when the default MSAP group interface name of a PPP host, concatenated with the port ID is longer than 32 characters.		
<b>Remedial action:</b> The string configured in PPP Host as default MSAP Group Interface Name concatenated with the port-id is longer than 32 characters. It is an invalid configuration since it exceeds the length allowed for a Group Interface Name. (Please) Reconfigure the MSAP Group Interface Name or refer to the Local User Database documentation for assistance.		

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Table 39-558 MacAccountingLimitReached (rtr)

Alarm	Attributes	Applicable major releases
Name: MacAccountingLimitReached (4907) Type: macAccountingAlarm (132) Package: rtr Raised on class: rtr.NetworkInterface	Severity: warning Implicitly cleared: true Default probable cause: macAccountingLimitReached (1964)	Unspecified
<b>Description:</b> The alarm is raised when the system detects that the MAC accounting table is full.		
<b>Remedial action:</b> This alarm can be cleared when the used MAC entries are deleted by disabling MAC accounting on a particular interface or through manual intervention with a user command such as clear router interface mac.		

Table 39-559 MacAccountingLimitReached (service)

Alarm	Attributes	Applicable major releases
Name: MacAccountingLimitReached (4907) Type: macAccountingAlarm (132) Package: service Raised on class: service.L3AccessInterface	Severity: warning Implicitly cleared: true Default probable cause: macAccountingLimitReached (1964)	Unspecified
<b>Description:</b> The alarm is raised when the system detects that the MAC accounting table is full.		
<b>Remedial action:</b> This alarm can be cleared when the used MAC entries are deleted by disabling MAC accounting on a particular interface or through manual intervention with a user command such as clear router interface mac.		

Table 39-560 MacPinningViolation

Alarm	Attributes	Applicable major releases
Name: MacPinningViolation (443) Type: serviceAlarm (16) Package: vpls Raised on class: vpls.AbstractSite	Severity: warning Implicitly cleared: false Default probable cause: macAddressPinned (348)	Unspecified
<b>Description:</b> The alarm is raised when an attempt is made to assign a pinned MAC address to another L2 access interface or spoke SDP binding in an M-VPLS or VPLS.		
<b>Remedial action:</b> Use a MAC address that is not already pinned.		

Table 39-561 ManagedRouteAddFailed

Alarm	Attributes	Applicable major releases
Name: ManagedRouteAddFailed (5130) Type: processingErrorAlarm (81) Package: rtr Raised on class: rtr.RoutingInstanceSite	Severity: minor Implicitly cleared: false Default probable cause: tmnxVRtrManagedRouteAddFailed (2060)	Unspecified
<b>Description:</b> The alarm is raised when a managed route could not be installed.		
<b>Remedial action:</b> Check the additional text of the alarm for more details.		

Table 39-562 ManagedRouteFailedRetryThresholdCrossed

Alarm	Attributes	Applicable major releases
Name: ManagedRouteFailedRetryThresholdCrossed (397) Type: topologyAlarm (34) Package: topology Raised on class: topology.RouteManager	Severity: major Implicitly cleared: true Default probable cause: managedRouteCouldNotBeSetup (298)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM cannot set up a managed route after the number of attempts specified by the cpamManagedRoute problematicThresholdAlarmAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The alarm is not raised if the problematicRetryStrategy value is set to the default of reactive.		
<b>Remedial action:</b> Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

Table 39-563 ManagedRouteRetryAttemptsExhausted

Alarm	Attributes	Applicable major releases
Name: ManagedRouteRetryAttemptsExhausted (398) Type: topologyAlarm (34) Package: topology Raised on class: topology.RouteManager	Severity: major Implicitly cleared: false Default probable cause: managedRouteCouldNotBeSetup (298)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM stops trying to set up a managed route after the number of attempts specified by the cpamManagedRoute problematicDeadAfter value in the nms-server.xml file. The alarm is raised if the cpamManagedRoute problematicRetryStrategy value in nms-server.xml is set to countdown. The alarm is not raised if the problematicRetryStrategy value is set to the default value of reactive.		
<b>Remedial action:</b> Informational - The Retry strategy can be modified in nms-server.xml. This alarm is not raised for the default retry strategy, reactive.		

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Table 39-564 ManagementVlanConflict

Alarm	Attributes	Applicable major releases
Name: ManagementVlanConflict (215) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Vlan	Severity: warning Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
<b>Description:</b> The alarm is raised when a management VLAN ID is in use by another service type.		
<b>Raising condition:</b> ('managementVlanConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('managementVlanConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN ID of this Management Service is not used on any other type of VLAN Service.		

Table 39-565 ManualCpaaSwitchover

Alarm	Attributes	Applicable major releases
Name: ManualCpaaSwitchover (5143) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: warning Implicitly cleared: false Default probable cause: CPAASwitchover (2066)	Unspecified
<b>Description:</b> The alarm is raised when an operator has manually initiated a switchover. This alarm is not self clearing. Another switchover will not be permitted for 10 mins.		
<b>Remedial action:</b> Manual Switchover has been executed.		

Table 39-566 MaxFecLimitReached

Alarm	Attributes	Applicable major releases
Name: MaxFecLimitReached (6448) Type: processingErrorAlarm (81) Package: ldp Raised on class: ldp.Peer	Severity: major Implicitly cleared: true Default probable cause: MaxFecLimitReached (2448)	Unspecified
<b>Description:</b> The alarm is raised when the number of FECs accepted from the peer has reached the value specified by fecLimit. The alarm is cleared when a new MaxFecThresholdChange notification is received.		
<b>Remedial action:</b> Number of FECs accepted from the peer has reached the value specified by FEC Limit. Appropriate configuration changes in local or peer LSR will be required.		

Table 39-567 MaxFecThresholdChange

Alarm	Attributes	Applicable major releases
Name: MaxFecThresholdChange (6449) Type: processingErrorAlarm (81) Package: ldp Raised on class: ldp.Peer	Severity: warning Implicitly cleared: true Default probable cause: MaxFecThresholdChange (2449)	Unspecified
<b>Description:</b> The alarm is raised when the number of FECs accepted from the peer has exceeded the threshold percent of the value specified by fecLimit. The alarm is cleared when the number of FECs received drops below the threshold percent of the value specified by fecLimit.		
<b>Remedial action:</b> Number of FECs accepted from the peer has exceeded or dropped below the threshold percent of the value specified by FEC Limit. Appropriate configuration changes in local or peer LSR will be required.		

Table 39-568 MaxNumExportRoutesReached

Alarm	Attributes	Applicable major releases
Name: MaxNumExportRoutesReached (1116) Type: ProtocolAlarm (1) Package: vprn Raised on class: vprn.AbstractSite	Severity: minor Implicitly cleared: true Default probable cause: MaxNumExportRoutesReached (828)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes exported from a route table to a VRF reaches the configured maximum.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-569 MaxNumIpv6RoutesReached

Alarm	Attributes	Applicable major releases
Name: MaxNumIpv6RoutesReached (505) Type: ProtocolAlarm (1) Package: l3fwd Raised on class: l3fwd.ServiceSite	Severity: major Implicitly cleared: true Default probable cause: MaxNumIpv6RouteReached (389)	Unspecified
<b>Description:</b> The alarm is raised when the number of IPv6 routes in a VPRN exceeds the configured maximum.		
<b>Remedial action:</b> The number of IPv6 routes has exceeded the configured maximum for the VPRN - the route table must be examined to ensure that all of the routes in the table are valid and not the result of a misconfiguration in the VPRN service. If all of the routes appear to be valid then the value used as the maximum value should be revisited.		

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Table 39-570 MaxNumMcastRoutes

Alarm	Attributes	Applicable major releases
Name: MaxNumMcastRoutes (206) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: major Implicitly cleared: true Default probable cause: MaxNumMcastRoutesReached (160)	Unspecified
<b>Description:</b> The alarm is raised when the number of multicast routes in a VPRN exceeds the configured maximum.		
<b>Remedial action:</b> Informational. The number of multicast routes in a VPRN exceeds the configured maximum. The value used as the threshold value should be revisited.		

Table 39-571 MaxNumRoutesReached

Alarm	Attributes	Applicable major releases
Name: MaxNumRoutesReached (1198) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: major Implicitly cleared: false Default probable cause: MaxNumRoutesReached (898)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes in a VPRN reaches the maximum number of routes specified in the VPRN configuration. The alarm information includes the number of routes, the specified maximum, and the route type, which is either IPv4 or IPv6.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-572 MaxNumV6ExportRoutesReached

Alarm	Attributes	Applicable major releases
Name: MaxNumV6ExportRoutesReached (4398) Type: ProtocolAlarm (1) Package: vprn Raised on class: vprn.AbstractSite	Severity: minor Implicitly cleared: true Default probable cause: MaxNumV6ExportRoutesReached (1575)	Unspecified
<b>Description:</b> The alarm is raised when the number of IPv6 routes exported from a route table to a VRF reaches the configured maximum.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-573 MaxPdnConnections

Alarm	Attributes	Applicable major releases
Name: MaxPdnConnections (4795) Type: EpcAlarm (59) Package: lte Raised on class: lte.PdnApn	Severity: major Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is generated when the maximum number of Packet Data Network (PDN) connections for this Access Point Name (APN) on the gateway is reached.		
<b>Remedial action:</b> Maximum number of PDN connections for this APN on the gateway is reached. To accept new PDN connections, system has to wait until the number of PDN connections goes below the value of PdnApnMaxPdnConnections.		

Table 39-574 McacPolicyDropped (igmp)

Alarm	Attributes	Applicable major releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: igmp Raised on class: igmp.Interface	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSapDropped (246)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group is dropped because a multicast CAC policy is applied.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-575 McacPolicyDropped (pim)

Alarm	Attributes	Applicable major releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Interface	Severity: major Implicitly cleared: false Default probable cause: pimGroupOnSapDropped (266)	Unspecified
<b>Description:</b> The alarm is raised when a PIM group is dropped because a multicast CAC policy is applied.		
<b>Remedial action:</b> Informational only.		

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Table 39-576 McacPolicyDropped (svt)

Alarm	Attributes	Applicable major releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: svt Raised on class: svt.SdpBindingIgmppSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSdpBindDropped (265)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group is dropped because a multicast CAC policy is applied to an SDP binding.		
<b>Remedial action:</b> Informational only.		

Table 39-577 McacPolicyDropped (vpls)

Alarm	Attributes	Applicable major releases
Name: McacPolicyDropped (341) Type: communicationsAlarm (4) Package: vpls Raised on class: vpls.L2AccessInterfaceIgmppSnpgCfg	Severity: major Implicitly cleared: false Default probable cause: igmpGroupOnSapDropped (246)	Unspecified
<b>Description:</b> The alarm is raised when an IGMP group is removed from a SAP because a multicast CAC policy is applied.		
<b>Remedial action:</b> Informational only.		

Table 39-578 McastRoutesMidLevelThresholdReached

Alarm	Attributes	Applicable major releases
Name: McastRoutesMidLevelThresholdReached (207) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.Site	Severity: minor Implicitly cleared: false Default probable cause: MidLevelThresholdReached (161)	Unspecified
<b>Description:</b> The alarm is raised when the number of multicast routes in a VPRN exceeds the configured threshold value. The alarm information includes the number of multicast routes and the threshold value.		
<b>Remedial action:</b> the number of multicast routes in a VPRN exceeds the configured threshold value. The value used as the threshold value should be revisited.		



Table 39-579 McIPsecTunnelGroupSyncTagMisconfigured

Alarm	Attributes	Applicable major releases
Name: McIPsecTunnelGroupSyncTagMisconfigured (4817) Type: redundancyAlarm (52) Package: multichassis Raised on class: multichassis.MultiChassisIPSecGroup	Severity: major Implicitly cleared: true Default probable cause: ipsecGroupSyncTagMisconfigure (1902)	Unspecified
<b>Description:</b> The alarm is raised when a peer of MC IPsec tunnel groups has unconfigured or mismatched synchronization tag.		
<b>Raising condition:</b> (('Synchronization Tag' NOT EQUAL 'Synchronization Tag') OR (('Synchronization Tag' EQUAL '\\"')) OR ('Synchronization Tag' EQUAL '\\"'))		
<b>Clearing condition:</b> (('Synchronization Tag' EQUAL 'Synchronization Tag') AND (('Synchronization Tag' NOT EQUAL '\\"')) AND ('Synchronization Tag' NOT EQUAL '\\"'))		
<b>Remedial action:</b> Check if the synchronization tag has been configured for the MC IPsec tunnel group peer and they matches.		

Table 39-580 McLagSourceBMacLsbMisconfigured (lag)

Alarm	Attributes	Applicable major releases
Name: McLagSourceBMacLsbMisconfigured (776) Type: configurationAlarm (11) Package: lag Raised on class: lag.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: McLagSourceBMacLsbMisconfigured (551)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a mismatch in the last 16 bits of the source backbone MAC address on the peer device. This mismatch prevents PBB access dual homing from operating.		
<b>Raising condition:</b> ('srcBMacLSBMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('srcBMacLSBMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> Check the MAC Address LSB is correct for source backbone address.		

Table 39-581 McLagSourceBMacLsbMisconfigured (multichassis)

Alarm	Attributes	Applicable major releases
Name: McLagSourceBMacLsbMisconfigured (776) Type: configurationAlarm (11) Package: multichassis Raised on class: multichassis.MultiChassisLag	Severity: major Implicitly cleared: true Default probable cause: McLagSourceBMacLsbMisconfigured (551)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a mismatch in the last 16 bits of the source backbone MAC address on the peer device. This mismatch prevents PBB access dual homing from operating.		
<b>Raising condition:</b> ('srcBMacLSBMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('srcBMacLSBMisconfigured' EQUAL 'false')		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Check the MAC Address LSB is correct for source backbone address.		

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Table 39-582 McMobileGeoRedChgInfo

Alarm	Attributes	Applicable major releases
Name: McMobileGeoRedChgInfo (4380) Type: equipmentAlarm (3) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: warning Implicitly cleared: false Default probable cause: equipmentAlarm (1565)	Unspecified
<b>Description:</b> The alarm is raised when the mobile-gateway or the CPM has changed its geo-redundancy state or the peer's connection status has changed.		
<b>Remedial action:</b> Check what caused this state change. Bring the peer and/or peer-link up and ensure that the chassis and CPM geo-redundancy states are 'hot'.		

Table 39-583 McMobileIssuStateChange

Alarm	Attributes	Applicable major releases
Name: McMobileIssuStateChange (5119) Type: integrityViolation (85) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileSpecifics	Severity: warning Implicitly cleared: true Default probable cause: mismatchPeerSets (199)	Unspecified
<b>Description:</b> The alarm is raised when ISSU state between the mobile-gateways participating in the geo-redundancy changes		
<b>Remedial action:</b> Check what caused this change in ISSU state and correct the issue for geo-redundancy to work.		

Table 39-584 McOmcrClientNumEntriesHigh

Alarm	Attributes	Applicable major releases
Name: McOmcrClientNumEntriesHigh (8057) Type: communicationsAlarm (4) Package: multichassis Raised on class: multichassis.PeerSynchronizationProtocol	Severity: minor Implicitly cleared: false Default probable cause: McOmcrClientNumEntriesHigh (2458)	Unspecified
<b>Description:</b> The alarm is raised when the system is configured as an OMCR warm standby system, and the total number of entries in the MCS database for a particular application becomes high. When the 80% and 90% threshold is crossed, there is no effect. When the 100% threshold is exceeded, the peer indicated by the values of tmnxMcPeerIpType and tmnxMcPeerIpAddr is shut down automatically by this system.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reconfigure the oversubscribed multi chassis redundancy set up to reduce the number of entries protected by this system.		

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Table 39-585 McPathBlackHole

Alarm	Attributes	Applicable major releases
Name: McPathBlackHole (2940) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when a multicast (S,G) specification enters a black-hole state.		
<b>Remedial action:</b> The alarm is raised when a source, group (S,G) goes into a black-hole state. The situation may occur when a certain source, group(S,G) has a bandwidth higher than it's configured maximum and no path/plane that can accommodate for the bandwidth of the new stream. This can be remedied by increasing the path limit(iom2 and older) or plane limit (iom3 and newer) at the Daughter Card tab or by modifying Ingress Multicast Path Management policy which assigned to the card.		

Table 39-586 McPathsBlackHole

Alarm	Attributes	Applicable major releases
Name: McPathsBlackHole (4903) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.DaughterCard	Severity: critical Implicitly cleared: false Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when one or more multicast (S,G) specifications enters a black-hole state.		
<b>Remedial action:</b> The alarm is raised when one or more source, group (S,G) goes into a black-hole state. The situation may occur when a certain source, group (S,G) has a bandwidth higher than it's configured maximum and no path/plane that can accommodate for the bandwidth of the new stream. This can be remedied by increasing the path limit(iom2 and older) or plane limit (iom3 and newer) at the Daughter Card tab or by modifying Ingress Multicast Path Management policy which assigned to the card.		

Table 39-587 MD5AuthFailure

Alarm	Attributes	Applicable major releases
Name: MD5AuthFailure (2934) Type: communicationsAlarm (4) Package: bgp Raised on class: bgp.Md5Key	Severity: major Implicitly cleared: false Default probable cause: md5AuthFailure (1128)	Unspecified
<b>Description:</b> The alarm is raised when an incoming packet is dropped because of BGP MD5 key authentication failure.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has been made which must be corrected. The MD5 authentication key configured is incorrect.		

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Table 39-588 MFibTableSizeLimitReached

Alarm	Attributes	Applicable major releases
Name: MFibTableSizeLimitReached (190) Type: resourceAlarm (28) Package: vpls Raised on classes: <ul style="list-style-type: none"> <li>vpls.AbstractTlsSite</li> <li>vpls.AbstractBSite</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives a svcTlsMfibTableFullAlarmRaised trap for a VPLS site. The alarm clears when the 5620 SAM receives a svcTlsMfibTableFullAlarmCleared trap for the site.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why		

Table 39-589 MGMCSwitchOverStatusNotify

Alarm	Attributes	Applicable major releases
Name: MGMCSwitchOverStatusNotify (4814) Type: processingErrorAlarm (81) Package: multichassis Raised on class: multichassis.MultiChassisPeerMobileGateway	Severity: info Implicitly cleared: false Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> The alarm is raised when the status of switchover enforced on the mobile-gateway in geo-redundancy changes		
<b>Remedial action:</b> Check switchover failure reason and correct the issue in order to perform switchover.		

Table 39-590 MgwPeerConnectionStateAlarm

Alarm	Attributes	Applicable major releases
Name: MgwPeerConnectionStateAlarm (4399) Type: connectionStateChangeAlarm (125) Package: wlangw Raised on class: wlangw.MgwPeer	Severity: minor Implicitly cleared: false Default probable cause: MgwPeerConnectionStateAlarm (1576)	Unspecified
<b>Description:</b> This alarm is raised when the state of a connection with a Mobile Gateway has changed. [CAUSE] The state of a connection with a Mobile Gateway has changed to Fault. [EFFECT] The effect depends on the new state. [RECOVERY] No recovery is required on this system.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Fault occurred on the connection with Mobile Gateway. Check the physical connection and interfaces between Mobile Gateway and WLAN Gateway.		

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Table 39-591 MgwPeerGtpMismatchAlarm

Alarm	Attributes	Applicable major releases
Name: MgwPeerGtpMismatchAlarm (5144) Type: configurationAlarm (11) Package: wlangw Raised on class: wlangw.MgwPeer	Severity: minor Implicitly cleared: false Default probable cause: MgwPeerGtpMismatchAlarm (2067)	Unspecified
<b>Description:</b> This alarm is raised when the Negotiated QoS profile RADIUS attribute contains a release indicator either for GGSN or PGW that does not correspond to the interface type actually used in GTP. e.g. the release indicator is for GGSN and the interface type used in GTP is S2a/S2b while it should be Gn.		
<b>Remedial action:</b> The RADIUS Server configuration should be corrected to match the MgwPeer interface type actually used in GTP.		

Table 39-592 MicroBFDSessionDown

Alarm	Attributes	Applicable major releases
Name: MicroBFDSessionDown (4997) Type: InkaggAlarm (56) Package: lag Raised on class: lag.Interface	Severity: minor Implicitly cleared: true Default probable cause: LagMemberMicroBfdSessionStateChanged (2051)	Unspecified
<b>Description:</b> The alarm is raised when there is a change in the state of the micro-BFD session of a link (port) of the LAG. When the state is 'idle', 'failed', 'waitingFwd', 'up', then the port is forwarding traffic. When the state is 'waiting', 'down', then the port is not forwarding traffic.		
<b>Remedial action:</b> Micro BFD Session state of one of the LAG links is changed. Please check the LAG's BFD configuration or the configuration of the LAG and the Ports in it.		

Table 39-593 MidLevelIPv6RoutesReached

Alarm	Attributes	Applicable major releases
Name: MidLevelIPv6RoutesReached (506) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: false Default probable cause: MidLevelIPv6RoutesReached (390)	Unspecified
<b>Description:</b> The alarm is raised when the number of IPv6 routes in a VPRN exceeds the configured threshold value. The alarm information includes the number of IPv6 routes and the threshold value.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> The number of IPv6 routes has exceeded the configured maximum for the VPRN - the route table must be examined to ensure that all of the routes in the table are valid and not the result of a misconfiguration in the VPRN service. If all of the routes appear to be valid then the value used as the threshold value should be revisited.		

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Table 39-594 MidLevelRoutesReached

Alarm	Attributes	Applicable major releases
Name: MidLevelRoutesReached (1199) Type: ProtocolAlarm (1) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: minor Implicitly cleared: false Default probable cause: MidLevelRoutesReached (899)	Unspecified
<b>Description:</b> The alarm is raised when the number of routes in a VPRN exceeds the threshold specified in the VPRN configuration. The threshold value is a percentage of the maximum number of routes specified in the VPRN configuration. The alarm information includes the number of routes and the threshold value.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE or VRF instance in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-595 MirrorDestinationMisconfigured

Alarm	Attributes	Applicable major releases
Name: MirrorDestinationMisconfigured (209) Type: configurationAlarm (11) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: mirrorDestinationMisconfigured (162)	Unspecified
<b>Description:</b> The alarm is raised when more than two destination Sites are configured for a service mirror.		
<b>Raising condition:</b> ('destinationMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('destinationMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> Delete destination site so that there are two or less destination sites in one Mirror service.		

Table 39-596 MirrorEncapsulationTypeInconsistent

Alarm	Attributes	Applicable major releases
Name: MirrorEncapsulationTypeInconsistent (217) Type: configurationAlarm (11) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: mirrorEncapsulationTypeInconsistent (171)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when the encapsulation types of the mirror sites differ.		
<b>Raising condition:</b> ('encapsulationTypeInconsistent' EQUAL 'true')		
<b>Clearing condition:</b> ('encapsulationTypeInconsistent' EQUAL 'false')		
<b>Remedial action:</b> Reconfigure the 'Encapsulation Type' for the sites (delete and re-add the sites if not configurable) so that the 'Encapsulation Type' are the same in one Mirror service.		

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Table 39-597 MisconfiguredInflow

Alarm	Attributes	Applicable major releases
Name: MisconfiguredInflow (1067) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: misconfiguredInflow (809)	Unspecified
<b>Description:</b> The alarm is raised when the ports in a service use different inflow clock sources.		
<b>Remedial action:</b> Configured inflow is not in sync with the configuration on the NE. Please check for Mismatch.		

Table 39-598 mismatchAnyCastRPTypes

Alarm	Attributes	Applicable major releases
Name: mismatchAnyCastRPTypes (270) Type: configurationAlarm (11) Package: pim Raised on class: pim.AnyCastRP	Severity: warning Implicitly cleared: false Default probable cause: mismatchAnyCastRPTypes (202)	Unspecified
<b>Description:</b> The alarm is raised when there is an anycast RP type mismatch.		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Please check to make sure the global Virtual Anycast RP service type and this PIM Anycast RP service type are consistent.		

Table 39-599 mismatchBackupAddress

Alarm	Attributes	Applicable major releases
Name: mismatchBackupAddress (279) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: minor Implicitly cleared: false Default probable cause: mismatchBackupAddress (212)	Unspecified
<b>Description:</b> The alarm is raised when two VR instances in a VR have different backup addresses.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Reconfigure the backup addresses for the peer VRRP instances so that they are the same.		

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Table 39-600 mismatchSubnets

Alarm	Attributes	Applicable major releases
Name: mismatchSubnets (280) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: major Implicitly cleared: true Default probable cause: mismatchSubnets (213)	Unspecified
<b>Description:</b> The alarm is raised when two VR Instances in a VR have backup addresses that are in different subnets.		
<b>Remedial action:</b> Reconfigure the ip addresses for the peer VRRP instances so that they are in the same subnets.		

Table 39-601 mismatchVrrpTypes

Alarm	Attributes	Applicable major releases
Name: mismatchVrrpTypes (278) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VRInstance	Severity: minor Implicitly cleared: true Default probable cause: mismatchVrrpTypes (211)	Unspecified
<b>Description:</b> The alarm is raised when two VR instances in a VR are of different types, for example, when one VR instance type is Network and the other is IES.		
<b>Raising condition:</b> (('VRRP Type' NOT EQUAL 'VRRP Type'))		
<b>Clearing condition:</b> (('VRRP Type' EQUAL 'VRRP Type'))		
<b>Remedial action:</b> Reconfigure the VRRP instance peers so that they are from the same type of interfaces (Network, IES or VPRN).		

Table 39-602 MissingFallingEvent

Alarm	Attributes	Applicable major releases
Name: MissingFallingEvent (414) Type: configurationAlarm (11) Package: rmon Raised on class: rmon.Alarm	Severity: major Implicitly cleared: false Default probable cause: incompleteConfig (225)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the falling event object that is named in an RMON policy alarm definition.		
<b>Raising condition:</b> ('Missing Falling Event' EQUAL 'true')		

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Alarm	Attributes	Applicable major releases
<b>Clearing condition:</b> ('Missing Falling Event' EQUAL 'false')		
<b>Remedial action:</b> Cannot find the falling event object that is named in an RMON policy alarm definition. Please create the required event.		

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Table 39-603 MissingHopConfiguration

Alarm	Attributes	Applicable major releases
Name: MissingHopConfiguration (350) Type: configurationAlarm (11) Package: mpls Raised on class: mpls.StaticLsp	Severity: warning Implicitly cleared: true Default probable cause: MissingHopConfiguration (252)	Unspecified
<b>Description:</b> The alarm is raised when a static LSP is created without hops.		
<b>Remedial action:</b> Need to configure static hops to the destination.		

Table 39-604 MissingRisingEvent

Alarm	Attributes	Applicable major releases
Name: MissingRisingEvent (413) Type: configurationAlarm (11) Package: rmon Raised on class: rmon.Alarm	Severity: major Implicitly cleared: false Default probable cause: incompleteConfig (225)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find the rising event object that is named in an RMON policy alarm definition.		
<b>Raising condition:</b> ('Missing Rising Event' EQUAL 'true')		
<b>Clearing condition:</b> ('Missing Rising Event' EQUAL 'false')		
<b>Remedial action:</b> Cannot find the rising event object that is named in an RMON policy alarm definition. Please create the required event.		

Table 39-605 missingStaticRPConfigurations

Alarm	Attributes	Applicable major releases
Name: missingStaticRPConfigurations (268) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: warning Implicitly cleared: true Default probable cause: missingStaticRPConfigurations (200)	Unspecified
<b>Description:</b> The alarm is raised when a static RP configuration is missing.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the Static RP and Group Range(s) are all configured.		

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Table 39-606 MissSpokeConfiguration

Alarm	Attributes	Applicable major releases
Name: MissSpokeConfiguration (218) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: missSpokeConfiguration (172)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a spoke SDP binding between two sites in one M-VPLS or VPLS. The alarm is not raised by the 5620 SAM, Release 4.0 or later.		
<b>Raising condition:</b> ('missSpokeConfiguration' EQUAL 'true')		
<b>Clearing condition:</b> ('missSpokeConfiguration' EQUAL 'false')		
<b>Remedial action:</b> Deprecated since Rel.4.0		

Table 39-607 MldGrpIfSapCModeRxQueryMism

Alarm	Attributes	Applicable major releases
Name: MldGrpIfSapCModeRxQueryMism (5390) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: InvalidCompatibilityModeofQueryReceived (2106)	Unspecified
<b>Description:</b> The alarm is raised when there is a mismatch between the compatible mode of the MLD SAP and the version of the received query. It is generated when the SAP is in MLDv1 compatible mode but it receives an MLDv2. It will include information on the configured version of the compatibility mode of the SAP, and the version of the received query.		
<b>Remedial action:</b> Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

Table 39-608 MldGrpIfSapMaxGroupsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldGrpIfSapMaxGroupsLimitExceeded (5391) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxGroupsLimitExceeded (2107)	Unspecified
<b>Description:</b> 'This alarm is raised when an attempt is made to configure a group when the number of groups configured on the SAP, is equal to the 'Maximum Number of Groups' supported on the SAP.'		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Increase the value of the 'Maximum Number of Groups' attribute in the parent MLD group interface so that the number of active MLD groups stays under the configured threshold.		

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Table 39-609 MldGrpIfSapMaxGrpSrcLimExcd

Alarm	Attributes	Applicable major releases
Name: MldGrpIfSapMaxGrpSrcLimExcd (5392) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxGrpSrcLimExcd (2108)	Unspecified
<b>Description:</b> This alarm is raised when an attempt is made to configure a group source for a group when the number of group sources is equal to the 'Maximum Number of Group Sources' per group supported on the SAP.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number Of Group Sources' attribute in the parent MLD group interface so that the number of active MLD Group sources stays under the configured threshold.		

Table 39-610 MldGrpIfSapMaxSourcesLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldGrpIfSapMaxSourcesLimitExceeded (5393) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: MldGrpIfSapMaxSourcesLimitExceeded (2109)	Unspecified
<b>Description:</b> 'This alarm is raised when an attempt is made to configure a source for a group when the number of sources for this group is equal to the 'Maximum Number of Sources' per group supported on the SAP.'		
<b>Remedial action:</b> Increase the value of the 'Maximum Number Of Sources' attribute in the parent MLD group interface so that the number of active MLD sources stays under the configured threshold.		

Table 39-611 MldGrpIfSapRxQueryVerMism

Alarm	Attributes	Applicable major releases
Name: MldGrpIfSapRxQueryVerMism (5394) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterfaceSap	Severity: warning Implicitly cleared: false Default probable cause: InvalidVersionofQueryMessageReceived (129)	Unspecified
<b>Description:</b> The alarm is raised when the MLD host SAP is configured as MLDv2 but receives an MLDv1 Query. It will include information on the configured version of the SAP, and the version of the received query.		
<b>Remedial action:</b> Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

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Table 39-612 MldHostCModeRxQueryMismatch

Alarm	Attributes	Applicable major releases
Name: MldHostCModeRxQueryMismatch (8051) Type: configurationAlarm (11) Package: mld Raised on class: mld.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidCompatibilityModeOfQueryReceived (2452)	Unspecified
<b>Description:</b> The alarm is raised when there is a mismatch between the compatible mode of the MLD Host and the version of the received query, i.e. the Host is in MLDv1 compatible mode but it receives a MLDv2 Query.		
<b>Remedial action:</b> Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

Table 39-613 MldHostInstantiationFail

Alarm	Attributes	Applicable major releases
Name: MldHostInstantiationFail (8052) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrplInterface	Severity: warning Implicitly cleared: false Default probable cause: MldHostInstantiationFailed (2453)	Unspecified
<b>Description:</b> This alarm is generated when a host is eligible for running MLD, but MLD cannot be started on the host.		
<b>Remedial action:</b> A host is eligible for running MLD, but MLD cannot be started on the given host.		

Table 39-614 MldHostMaxGroupsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldHostMaxGroupsLimitExceeded (8053) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrplInterface	Severity: warning Implicitly cleared: false Default probable cause: MldHostMaxGroupsLimitExceeded (2454)	Unspecified
<b>Description:</b> This alarm is generated when an attempt is made to configure a group when the number of groups configured on the PIM interface is equal to the maximum number of groups supported on the host.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number of Groups' attribute in the MLD group interface so that the number of active MLD groups stays under the configured threshold.		

Table 39-615 MldHostMaxGrpSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldHostMaxGrpSrcsLimitExceeded (8054) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterface	Severity: major Implicitly cleared: false Default probable cause: MldHostMaxGrpSrcsLimitExceeded (2455)	Unspecified
<b>Description:</b> The alarm is generated when an attempt is made to configure a source for a group when the number of group sources is equal to the maximum number of group sources per group supported on the host.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number Of Group Sources' attribute in the MLD group interface so that the number of active MLD Group sources stays under the configured threshold.		

Table 39-616 MldHostMaxSrcsLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldHostMaxSrcsLimitExceeded (8055) Type: configurationAlarm (11) Package: mld Raised on class: mld.GrpInterface	Severity: warning Implicitly cleared: false Default probable cause: MldHostMaxSrcsLimitExceeded (2456)	Unspecified
<b>Description:</b> The alarm is generated when an attempt is made to configure a source for a group when the number of sources for this group is equal to the maximum number of sources per group supported on the host.		
<b>Remedial action:</b> Increase the value of the 'Maximum Number Of Sources' attribute in the MLD group interface so that the number of active MLD sources stays under the configured threshold.		

Table 39-617 MldHostRxQueryVerMismatch

Alarm	Attributes	Applicable major releases
Name: MldHostRxQueryVerMismatch (8056) Type: configurationAlarm (11) Package: mld Raised on class: mld.Site	Severity: warning Implicitly cleared: false Default probable cause: InvalidVersionOfQueryMessageReceived (2457)	Unspecified
<b>Description:</b> The alarm is raised when the MLD host is configured as MLDv2 but receives an MLDv1 Query. It will include information on the configured version of MLD Host, and the version of the received query.		
<b>Remedial action:</b> Change the MLD Version attribute on the MLD Group Interface to match the MLD host version.		

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Table 39-618 MldSnpgGrpDroppedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: MldSnpgGrpDroppedLimitExceeded (537) Type: AccessInterfaceAlarm (32) Package: vpls Raised on class: vpls.L2AccessInterfaceMldSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: mldSnpgGrpMaxNbrGrpsReached (406)	Unspecified
<b>Description:</b> The alarm is raised when a SAP drops an MLD group because the configurable maximum number of MLD groups on the SAP is reached.		
<b>Remedial action:</b> Increasing the maximum number of MLD Groups to prevent groups from being dropped.		

Table 39-619 MlpppBundleInterleavingDisabled

Alarm	Attributes	Applicable major releases
Name: MlpppBundleInterleavingDisabled (4383) Type: other (123) Package: netw Raised on class: netw.NetworkElement	Severity: minor Implicitly cleared: true Default probable cause: mlpppBundleInterleavingDisabled (1567)	Unspecified
<b>Description:</b> The alarm is raised when the 'Link Fragmentation and LFI' bit is set but LFI isn't active for MLPPP Bundle. It is cleared for other cases. If LFI is not desired, disable it in the L2TP MLPPP configuration of the related routing instance. Or, ensure that the MLPPP bundle only contains a single link.		
<b>Remedial action:</b> If LFI is not desired, disable it in the L2TP MLPPP configuration of the related routing instance. Or, ensure that the MLPPP bundle only contains a single link.		

Table 39-620 MobGwSysGrpWriteCdrToCfAlarm

Alarm	Attributes	Applicable major releases
Name: MobGwSysGrpWriteCdrToCfAlarm (3634) Type: MgGroupAlarm (75) Package: isa Raised on class: isa.MglSaGroup	Severity: major Implicitly cleared: true Default probable cause: MobGwSysGrpWriteCdrToCfStop (1418)	Unspecified
<b>Description:</b> The alarm is raised when the SGW or PGW writes Charging Data Record (CDR) packets to the local compact flash for the mobile system group.		
<b>Remedial action:</b> Retrieve Charging Data Record (CDR) files from compact flash.		

Table 39-621 ModFail

Alarm	Attributes	Applicable major releases
Name: ModFail (1171) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: modFail (872)	Unspecified
<b>Description:</b> The alarm is raised when a modulation failure is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-622 ModLOS

Alarm	Attributes	Applicable major releases
Name: ModLOS (1172) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: modLOS (873)	Unspecified
<b>Description:</b> The alarm is raised when a modulation loss of signal is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-623 ModuleOutOfMemory

Alarm	Attributes	Applicable major releases
Name: ModuleOutOfMemory (180) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: outOfMemory (142)	Unspecified
<b>Description:</b> The alarm is raised when the available NE memory is insufficient for allocation to a task.		
<b>Remedial action:</b> Informational - If the alarm persists please contact Alcatel-Lucent support for assistance		

Table 39-624 MonitoredObjectsCrossThreshold

Alarm	Attributes	Applicable major releases
Name: MonitoredObjectsCrossThreshold (8146) Type: processingErrorAlarm (81) Package: sup Raised on class: sup.SupervisionManager	Severity: variable Implicitly cleared: true Default probable cause: MonitoredObjectsCrossThreshold (2542)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised when total monitored objects count cross certain threshold. It is in warning when the total count exceeds 90% of the limit, and in critical when the total count reaches the limit. It is automatically cleared when the total count is back under the limit and threshold.		
<b>Remedial action:</b> Please remove unnecessary supervision groups or change the inclusion filters of supervision groups to reduce monitored objects.		

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**Table 39-625 MplsResignalTimerExpired**

Alarm	Attributes	Applicable major releases
Name: MplsResignalTimerExpired (1121) Type: ProtocolAlarm (1) Package: mpls Raised on class: mpls.Site	Severity: info Implicitly cleared: false Default probable cause: resignalTimerExpired (833)	Unspecified
<b>Description:</b> The alarm is raised when an MPLS instance resignal timer expires.		
<b>Remedial action:</b> Informational only.		

**Table 39-626 MprVIIDown**

Alarm	Attributes	Applicable major releases
Name: MprVIIDown (1139) Type: serviceDown (88) Package: mpr Raised on class: mpr.MprVII	Severity: major Implicitly cleared: true Default probable cause: vlanPathInstanceDown (524)	Unspecified
<b>Description:</b> The alarm is raised when the Operational State of a VLAN path instance is Down. It could be caused by one of the following conditions: - The radio link is down. - A cross connect is deleted. - The Operational State of one or more ports in the cross connect is Down.		
<b>Remedial action:</b> Components of the VLL service, site, ports and or links may be down. Please check the components for root cause.		

**Table 39-627 MPTCardFailure**

Alarm	Attributes	Applicable major releases
Name: MPTCardFailure (4830) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
<b>Description:</b> This alarm is raised when MPT card failure is detected.		

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Alarm	Attributes	Applicable major releases
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-628 MPTPlugInCardFailure

Alarm	Attributes	Applicable major releases
Name: MPTPlugInCardFailure (4831) Type: equipmentAlarm (3) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ReplaceableUnitProblem (1905)	Unspecified
<b>Description:</b> This alarm is raised when RPS/XPIC Plug-in card failure is detected.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-629 MPTPowerSupplyFailure

Alarm	Attributes	Applicable major releases
Name: MPTPowerSupplyFailure (1170) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: powerSupplyFailure (117)	Unspecified
<b>Description:</b> The alarm is raised when an MPT radio power source has a power supply failure.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-630 msapCreationFailure

Alarm	Attributes	Applicable major releases
Name: msapCreationFailure (740) Type: ConfigurationAlarm (15) Package: vpls Raised on class: vpls.L2AccessInterface	Severity: warning Implicitly cleared: false Default probable cause: creationFailure (515) Applicable probable causes: <ul style="list-style-type: none"> <li>creationFailure</li> <li>radiusAuthFailed</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create an MSAP.		
<b>Remedial action:</b> This warning is raised when the NE fails to create an MSAP. Please review the alarm's additional text to obtain information about the error condition. Possible problems can be mis-configuration of the capture SAP, authentication failures, a missing target service or interface, illegal trigger packets and more.		

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Table 39-631 MsdpActSrcLimExcd

Alarm	Attributes	Applicable major releases
Name: MsdpActSrcLimExcd (380) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Site	Severity: warning Implicitly cleared: false Default probable cause: MsdpActiveSourcesLimitExceeded (279)	Unspecified
<b>Description:</b> The alarm is raised when an MSDP site receives a number of source active messages that exceeds the configured maximum.		
<b>Remedial action:</b> Increase the configurable maximum number of source active messages if possible.		

Table 39-632 MsdpGroupSrcActMsgsExcd

Alarm	Attributes	Applicable major releases
Name: MsdpGroupSrcActMsgsExcd (378) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.PeerGroup	Severity: warning Implicitly cleared: false Default probable cause: MsdpGroupActiveSourcesLimitExceeded (277)	Unspecified
<b>Description:</b> The alarm is raised when an MSDP group receives a number of source active messages that exceeds the configured maximum.		
<b>Remedial action:</b> Increase the configurable maximum number of source active messages if possible.		

Table 39-633 MsdpPeerActSrcLimExcd

Alarm	Attributes	Applicable major releases
Name: MsdpPeerActSrcLimExcd (379) Type: communicationsAlarm (4) Package: msdp Raised on classes: <ul style="list-style-type: none"> <li>msdp.GroupPeer</li> <li>msdp.Peer</li> </ul>	Severity: warning Implicitly cleared: false Default probable cause: MsdpPeerActiveSourcesLimitExceeded (278)	Unspecified
<b>Description:</b> The alarm is raised when an MSDP peer receives a number of source active messages that exceeds the configured maximum.		
<b>Remedial action:</b> Increase the configurable maximum number of source active messages if possible.		

Table 39-634 MsdpRPFFailure

Alarm	Attributes	Applicable major releases
Name: MsdpRPFFailure (354) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Site	Severity: warning Implicitly cleared: false Default probable cause: MsdpRPFFailure (275)	Unspecified
<b>Description:</b> The alarm is raised when an MSDP site experiences an RPF failure.		
<b>Remedial action:</b> Informational.		

Table 39-635 MsdpSourceSrcActMsgsExcd

Alarm	Attributes	Applicable major releases
Name: MsdpSourceSrcActMsgsExcd (381) Type: communicationsAlarm (4) Package: msdp Raised on class: msdp.Source	Severity: warning Implicitly cleared: false Default probable cause: MsdpSourceActiveSourcesLimitExceeded (280)	Unspecified
<b>Description:</b> The alarm is raised when an MSDP source receives a number of source active messages that exceeds the configured maximum.		
<b>Remedial action:</b> Increase the configurable maximum number of source active messages if possible.		

Table 39-636 MsPwFecMisConfig

Alarm	Attributes	Applicable major releases
Name: MsPwFecMisConfig (3691) Type: serviceAlarm (16) Package: svt Raised on class: svt.SpokeSdpFec	Severity: major Implicitly cleared: true Default probable cause: msPwFecMisConfig (1430)	Unspecified
<b>Description:</b> The alarm is raised when a misconfiguration is discovered between two signaling multi-segment pseudowires. For example, configuring both multi-segment pseudowires as master would cause this notification.		
<b>Clearing condition:</b> ('Administrative State' EQUAL 'Up')		
<b>Remedial action:</b> Configure multi-segment pseudo-wires such that both are not configured to be master.		

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**Table 39-637 MultiChassisStpBlockingStatus**

Alarm	Attributes	Applicable major releases
Name: MultiChassisStpBlockingStatus (4902) Type: communicationsAlarm (4) Package: aosredundancy Raised on class: aosredundancy.AOSMultiChassis	Severity: minor Implicitly cleared: false Default probable cause: PrimarybridgeSTPPriorityishigherthansecondarybridge (1959)	Unspecified
<b>Description:</b> Primary bridge STP Priority is higher than secondary bridge		
<b>Remedial action:</b> This Alarm can be cleared by setting primary bridge STP Priority lower then secondary bridge stp priority		

**Table 39-638 MultipleOwners**

Alarm	Attributes	Applicable major releases
Name: MultipleOwners (283) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.AbstractInstance	Severity: major Implicitly cleared: false Default probable cause: multipleOwnersConfigured (215)	Unspecified
<b>Description:</b> The alarm is raised when an owner VR instance detects another instance that advertises itself as an owner.		
<b>Remedial action:</b> Shut down one of the peer VRRP instances and change the owner to false and then turn it up.		

**Table 39-639 multipleRPLowner**

Alarm	Attributes	Applicable major releases
Name: multipleRPLowner (2946) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Element	Severity: major Implicitly cleared: false Default probable cause: multiplerpl (1135)	Unspecified
<b>Description:</b> The alarm is raised on RPL elements configured as RPL owners, when there are multiple RPL owners detected in the ring topology.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The duplicate RPL owners must be deleted.		

Table 39-640 MVPNDuplicateVrfPolicy

Alarm	Attributes	Applicable major releases
Name: MVPNDuplicateVrfPolicy (649) Type: configurationAlarm (11) Package: I3fwd Raised on classes: <ul style="list-style-type: none"> <li>I3fwd.ServiceSiteMVPNImportPolicy</li> <li>I3fwd.ServiceSiteMVPNExportPolicy</li> </ul>	Severity: warning Implicitly cleared: true Default probable cause: duplicateVrfPolicyExists (177)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a duplicate VRF policy in a multicast VPRN. The alarm information includes the VRF policy ID and type, and information about the service site. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The duplicate VRF policy must be removed. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 39-641 MVPNExportPolicyNotFound

Alarm	Attributes	Applicable major releases
Name: MVPNExportPolicyNotFound (650) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteMVPNExportPolicy	Severity: major Implicitly cleared: true Default probable cause: exportPolicyDoesNotExist (179)	Unspecified
<b>Description:</b> The alarm is raised when a VRF export policy for a multicast VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. A VRF export policy with the appropriate ID must be configured. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

Table 39-642 MVPNImportPolicyNotFound

Alarm	Attributes	Applicable major releases
Name: MVPNImportPolicyNotFound (651) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSiteMVPNImportPolicy	Severity: major Implicitly cleared: true Default probable cause: importPolicyDoesNotExist (180)	Unspecified
<b>Description:</b> The alarm is raised when a VRF import policy for a multicast VPRN cannot be found. The alarm information includes the policy ID. Note: starting from SAM 12.0 R1, SAM no longer raise this alarm since it is not much useful but has performance issue.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. A VRF import policy with the appropriate ID must be configured. Note: starting from SAM 12.0 R1, SAM no longer raises this alarm.		

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Table 39-643 MwLinkEPSActivityChange

Alarm	Attributes	Applicable major releases
Name: MwLinkEPSActivityChange (4945) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: EPSActivityChange (2002)	Unspecified
<b>Description:</b> This alarm is raised when a microwave link changes activity for EPS.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-644 MwLinkMaintenanceChange

Alarm	Attributes	Applicable major releases
Name: MwLinkMaintenanceChange (4946) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: info Implicitly cleared: false Default probable cause: MaintenanceCommandChange (2003)	Unspecified
<b>Description:</b> This alarm is raised when a microwave link maintenance command changes.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-645 MwLinkPeerChange

Alarm	Attributes	Applicable major releases
Name: MwLinkPeerChange (4832) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: PeerChange (1918)	Unspecified
<b>Description:</b> This alarm is raised when a microwave link discovered peer changes.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-646 MwLinkRPSActivityChange

Alarm	Attributes	Applicable major releases
Name: MwLinkRPSActivityChange (4947) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: RPSActivityChange (2004)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This alarm is raised when a microwave link changes activity for RPS.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-647 MwLinkTPSActivityChange

Alarm	Attributes	Applicable major releases
Name: MwLinkTPSActivityChange (4948) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.MwLink	Severity: major Implicitly cleared: false Default probable cause: TPSActivityChange (2005)	Unspecified
<b>Description:</b> This alarm is raised when a microwave link changes activity for TPS.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-648 NatIsaMemberSessionUsageHi

Alarm	Attributes	Applicable major releases
Name: NatIsaMemberSessionUsageHi (3937) Type: equipmentAlarm (3) Package: nat Raised on class: nat.IsaMember	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the session usage of an ISA-NAT group member reaches the high watermark. The alarm clears when the session usage reaches the low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 39-649 NatIsaMemberSessionUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatIsaMemberSessionUsageHigh (1070) Type: equipmentAlarm (3) Package: nat Raised on class: nat.IsaMda	Severity: major Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> Deprecated in 10.0, Use {NatIsaMemberSessionUsageHi on nat.IsaMember} instead. The alarm is raised when the session usage of an ISA-NAT group member reaches the high watermark. The alarm clears when the session usage reaches the low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

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Table 39-650 NatL2AwSublcmpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatL2AwSublcmpPortUsageHigh (1086) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the ICMP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of the network. If required, deploy extra equipment to deal with the demand.		

Table 39-651 NatL2AwSubSessionUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatL2AwSubSessionUsageHigh (1087) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the session usage of an L2-aware NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 39-652 NatL2AwSubTcpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatL2AwSubTcpPortUsageHigh (1088) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the TCP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		



Table 39-653 NatL2AwSubUdpPortUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatL2AwSubUdpPortUsageHigh (1089) Type: equipmentAlarm (3) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the UDP port usage of an L2-aware NAT subscriber reaches the high or low watermark.		
<b>Remedial action:</b> Review the watermarks configuration to make sure it matches the capacity of your network. If required, deploy extra equipment to deal with the demand.		

Table 39-654 NatPIL2AwBlockUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatPIL2AwBlockUsageHigh (1074) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatPool	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the block usage of an L2-aware NAT address pool reaches the high watermark. The alarm clears when the block usage reaches the low watermark.		
<b>Remedial action:</b> This alarm indicates the block usage of a L2-aware NAT address pool reaches its threshold on a particular member MDA of its ISA group. Please ensure the address pool block usage configuration adequate for the system requirement. This alarm will be cleared automatically once the block usage is below the watermark.		

Table 39-655 NatPILsnMemberBlockUsageHigh

Alarm	Attributes	Applicable major releases
Name: NatPILsnMemberBlockUsageHigh (1075) Type: equipmentAlarm (3) Package: nat Raised on class: nat.NatPool	Severity: warning Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when the block usage of a large-scale NAT address pool reaches the high watermark. The alarm clears when the block usage reaches the low watermark.		
<b>Remedial action:</b> This alarm indicates the block usage of a Large Scale NAT address pool reaches its threshold on a particular member MDA of its ISA group. Please ensure the address pool block usage configuration adequate for the system requirement. This alarm will be cleared automatically once the block usage is below the watermark.		

**39 – Unspecified NE alarms****Table 39-656 NeighborLoss (pim)**

Alarm	Attributes	Applicable major releases
Name: NeighborLoss (188) Type: communicationsAlarm (4) Package: pim Raised on class: pim.Interface	Severity: warning Implicitly cleared: true Default probable cause: NeighborConnectionLost (148)	Unspecified
<b>Description:</b> The alarm is raised when the connection to a neighbor is lost.		
<b>Remedial action:</b> Informational - please check the connection to the neighbor is fine, e.g the peer is not in shutdown state. The alarm will be cleared when the neighbor is discovered up.		

**Table 39-657 NeighborLoss (vpls)**

Alarm	Attributes	Applicable major releases
Name: NeighborLoss (188) Type: communicationsAlarm (4) Package: vpls Raised on class: vpls.InterfacePimSnooping	Severity: warning Implicitly cleared: true Default probable cause: NeighborConnectionLost (148)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a loss of connection to a PIM neighbor.		
<b>Remedial action:</b> There is a lost connection to the PIM Neighbor. Check the PIM Neighbor to ensure it is still operational and that underlying transport of the SAP or SDP is operationally up.		

**Table 39-658 netconfEventReplayFailure**

Alarm	Attributes	Applicable major releases
Name: netconfEventReplayFailure (5389) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: MmInternalProcessingError (1421)	Unspecified
<b>Description:</b> Replay of the NETCONF notification event buffer has failed and 5620 SAM is no longer attempting to replay old events. Any Performance Measurement Statistics files that 5620 SAM was trying to replay must be manually retrieved from the 9471 WMM. The additionalText field of the alarm displays the timestamp of the last successful NETCONF notification that 5620 SAM has processed after server startup. If the additionalText field is empty, we have not processed any NETCONF notifications since the 5620 SAM started and any missing files need to be manually retrieved from the 9471 WMM. New NETCONF event notifications are still processed as normal.		
<b>Remedial action:</b> Replay of the NETCONF notification event buffer has failed and 5620 SAM is no longer attempting to replay old events. Any Performance Measurement Statistics files that 5620 SAM was trying to replay must be manually retrieved from the 9471 WMM. The additionalText field of the alarm displays the timestamp of the last successful NETCONF notification that 5620 SAM has processed after server startup. If the additionalText field is empty, we have not processed any NETCONF notifications since the 5620 SAM started and any missing files need to be manually retrieved from the 9471 WMM. New NETCONF event notifications are still processed as normal.		

Table 39-659 NetConfEventSubscriptionProblem

Alarm	Attributes	Applicable major releases
Name: NetConfEventSubscriptionProblem (4864) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: NetConfEventSubscriptionFailed (1932)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to subscribe for Netconf event notification from a network element. For a WMM: if this problem persists it may result in a loss of PM file collection.		
<b>Remedial action:</b> Informational -if the alarm persists or is occurring frequently then investigation is required to understand why the Netconf event subscription configuration is failing.		

Table 39-660 NetworkElementChassisTypeMismatch

Alarm	Attributes	Applicable major releases
Name: NetworkElementChassisTypeMismatch (1946) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementChassisType (934)	Unspecified
<b>Description:</b> The alarm is raised when the chassis type of the shadow network element does not match with the chassis type of the discovered NE.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The pre-provisioned NE chassis type defined must match the chassis type of the node being discovered.		

Table 39-661 NetworkElementTypeMismatch

Alarm	Attributes	Applicable major releases
Name: NetworkElementTypeMismatch (1947) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementType (935)	Unspecified
<b>Description:</b> The alarm is raised when the type of the shadow network element does not match with the type of the discovered NE.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The pre-provisioned NE type defined must match the type of the node being discovered.		

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Table 39-662 NetworkElementVersionMismatch

Alarm	Attributes	Applicable major releases
Name: NetworkElementVersionMismatch (1948) Type: communicationsAlarm (4) Package: netw Raised on class: netw.DiscoveredNode	Severity: major Implicitly cleared: true Default probable cause: mismatchOfNetworkElementVersion (936)	Unspecified
<b>Description:</b> The alarm is raised when the version of the shadow network element does not match with the version of the discovered NE.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The pre-provisioned NE version defined must match the version of the node being discovered.		

Table 39-663 NodeDatabaseCorruptionDetected

Alarm	Attributes	Applicable major releases
Name: NodeDatabaseCorruptionDetected (1961) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: nodeDatabaseCorrupted (948)	Unspecified
<b>Description:</b> This alarm is raised when an error in the node causes the node to lose its configuration and come up in an inconsistent/incomplete state. To overcome this it might be necessary to reconfigure the node.		
<b>Remedial action:</b> The node configuration is inconsistent. You may have to do a Reconfigure. However if it's a first discovery, you have to delete the node, then create a pre-provisioned NE instance, create a new discovery rule with a self-configuration policy and discover the node.		

Table 39-664 NodeSoftwareMisalignmentDetected

Alarm	Attributes	Applicable major releases
Name: NodeSoftwareMisalignmentDetected (4906) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: true Default probable cause: nodeSoftwareMisalignment (1962)	Unspecified
<b>Description:</b> The alarm is raised when a software misalignment has been detected on the node and comes back up with an unexpected software version (software change triggered by external tool) To correct this situation it is necessary to download and activate on the node the software referenced by SAM and then reconfigure the node with the 5620 SAM's current configuration.		
<b>Remedial action:</b> the NE software is misaligned. Perform a Download and Activate Software operation with the software version known by SAM which is the reference.		

Table 39-665 noFunctioningScript

Alarm	Attributes	Applicable major releases
Name: noFunctioningScript (275) Type: configurationAlarm (11) Package: subscriber Raised on class: subscriber.Policy	Severity: critical Implicitly cleared: true Default probable cause: primaryBackupDown (207)	Unspecified
<b>Description:</b> The alarm is raised when all subscriber identification scripts are operationally down.		
<b>Raising condition:</b> (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' NOT EQUAL 'Up') AND ('Secondary Script Operational State' NOT EQUAL 'Up') AND ('Tertiary Script Operational State' NOT EQUAL 'Up'))		
<b>Clearing condition:</b> (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' EQUAL 'Up') OR ('Secondary Script Operational State' EQUAL 'Up') OR ('Tertiary Script Operational State' EQUAL 'Up')))		
<b>Remedial action:</b> If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 39-666 NoRPLOwner

Alarm	Attributes	Applicable major releases
Name: NoRPLOwner (3700) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.RadioRing	Severity: major Implicitly cleared: false Default probable cause: norpltype (1438)	Unspecified
<b>Description:</b> The alarm is raised when there is No RPL Owner selected on a Radio Ring.		
<b>Remedial action:</b> Operator has to configure at least one of the Elements belonging to a Radio Ring as RPL Owner.		

Table 39-667 NotEnoughContiguousBlocks

Alarm	Attributes	Applicable major releases
Name: NotEnoughContiguousBlocks (4987) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.LocalDhcp6Server	Severity: warning Implicitly cleared: false Default probable cause: notEnoughContiguousBlocks (2042)	Unspecified
<b>Description:</b> The alarm is raised when a lease cannot be created because not enough contiguous blocks are found for the requested delegated prefix size.		
<b>Remedial action:</b> This alarm is raised when a lease cannot be created because not enough contiguous blocks are found for the requested delegated prefix size. Please adjust the associated pools.		

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Table 39-668 NTPNoServersAvail

Alarm	Attributes	Applicable major releases
Name: NTPNoServersAvail (4878) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: major Implicitly cleared: true Default probable cause: NTPNoServersAvail (1942)	Unspecified
<b>Description:</b> The alarm is generated when no NTP Servers are available.		
<b>Remedial action:</b> Please check if the configured servers are physically reachable (IP ping) from the node (Or) check if the configured servers are enabled as NTP Server (NTP Server attribute on General Tab) and their Operational state is Up (Or) check if the authentication keys are correctly defined on the client and the NTP server node.		

Table 39-669 NTPServerChange

Alarm	Attributes	Applicable major releases
Name: NTPServerChange (4880) Type: communicationsAlarm (4) Package: ntp Raised on class: ntp.NTP	Severity: info Implicitly cleared: false Default probable cause: NTPServerChange (1944)	Unspecified
<b>Description:</b> The alarm generated when more than one NTP servers are configured in a system and a different NTP server is selected because the operational status of the earlier NTP server has changed.		
<b>Remedial action:</b> This is informational alarm to indicate that the current clock source has changed for the node. Alarm needs to be manually cleared.		

Table 39-670 OCHTrailDown

Alarm	Attributes	Applicable major releases
Name: OCHTrailDown (3891) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCHTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the OCH trail are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-671 OCHTrailMisConfigured

Alarm	Attributes	Applicable major releases
Name: OCHTrailMisConfigured (5125) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OCHTrail	Severity: critical Implicitly cleared: false Default probable cause: OchCrossConnectionTrailNameMismatch (1391)	Unspecified
<b>Description:</b> The alarm is raised when all the OCh cross connections (XCs) of an OCh trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OCh trail.		
<b>Remedial action:</b> Recreate the OCH Cross Connects with same OCH Trail name else Wave Tracker does not work properly.		

Table 39-672 ODUTrailDown

Alarm	Attributes	Applicable major releases
Name: ODUTrailDown (3892) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ODUTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the ODU trail are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-673 ODUTrailMisConfigured

Alarm	Attributes	Applicable major releases
Name: ODUTrailMisConfigured (3893) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ODUTrail	Severity: critical Implicitly cleared: false Default probable cause: OchCrossConnectionTrailNameMismatch (1391)	Unspecified
<b>Description:</b> The alarm is raised when all the OCh cross connections (XCs) of an OCh trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OCh trail.		
<b>Remedial action:</b> Recreate the OCH Cross Connects with same OCH Trail name else Wave Tracker does not work properly.		

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Table 39-674 OlcStateChangeAlarm

Alarm	Attributes	Applicable major releases
Name: OlcStateChangeAlarm (3740) Type: communicationsAlarm (4) Package: generic Raised on class: generic.GenericObject	Severity: info Implicitly cleared: false Default probable cause: unknown (1097)	Unspecified
<b>Description:</b> The alarm is raised to notify the user, when an OLC State change takes place at the specified revert time.		
<b>Remedial action:</b> Informational - This is a notification alarm to indicate that the object will revert it's OLC state.		

Table 39-675 OMSTrailDown

Alarm	Attributes	Applicable major releases
Name: OMSTrailDown (8082) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OMSTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when termination point(s) of the OMS trail are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-676 OperDownInvalidMac

Alarm	Attributes	Applicable major releases
Name: OperDownInvalidMac (8144) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: minor Implicitly cleared: true Default probable cause: invalidMacAddress (2540)	Unspecified
<b>Description:</b> This Alarm is generated when the operational virtual MAC of an SRRP instance conflicts with the MAC of the parent interface.		
<b>Remedial action:</b> The alarm is generated when the operational virtual MAC of an SRRP instance conflicts with the MAC of the parent interface. The SRRP virtual router instance is not allowed to become operationally 'up'.		



Table 39-677 OperDownInvalidMacClear

Alarm	Attributes	Applicable major releases
Name: OperDownInvalidMacClear (8145) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: minor Implicitly cleared: true Default probable cause: invalidMacAddressCleared (2541)	Unspecified
<b>Description:</b> The Alarm is generated when a previously occurring OperDownInvalidMac notification has been cleared. Operational virtual MAC of an IPv4 SRRP instance does not have any conflict with the MAC of the parent interface.		
<b>Remedial action:</b> The alarm is generated when a previously occurring OperDownInvalidMac notification has been cleared. Operational virtual MAC of an IPv4 SRRP instance does not have any conflict with the MAC of the parent interface.		

Table 39-678 OpticalAmplifierLossOfInputOpticalPower

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierLossOfInputOpticalPower (1185) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierLossOfInputOpticalPower (886)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Loss of input optical power on an optical amplifier interface.		
<b>Remedial action:</b> Ensure that the input optical power at the face plate is greater than the minimum required		

Table 39-679 OpticalAmplifierLossOfOutputPower

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierLossOfOutputPower (1186) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierLossOfOutputPower (887)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Loss of output power on an optical amplifier interface.		
<b>Remedial action:</b> If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

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Table 39-680 OpticalAmplifierModuleCaseTemperatureHigh

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierModuleCaseTemperatureHigh (1180) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCaseTemperatureHigh (881)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Module Case Temperature High on an optical amplifier interface.		
<b>Remedial action:</b> Decrease the ambient temperature		

Table 39-681 OpticalAmplifierModuleCaseTemperatureLow

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierModuleCaseTemperatureLow (1181) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCaseTemperatureLow (882)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Module Case Temperature Low on an optical amplifier interface.		
<b>Remedial action:</b> Increase the ambient temperature		

Table 39-682 OpticalAmplifierModuleCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierModuleCommunicationFailure (1187) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierModuleCommunicationFailure (888)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Module Communication Failure on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 39-683 OpticalAmplifierPumpCurrent

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierPumpCurrent (1188) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierPumpcurrent (889)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Pump over current on an optical amplifier interface.		
<b>Remedial action:</b> If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 39-684 OpticalAmplifierPumpTemperature

Alarm	Attributes	Applicable major releases
Name: OpticalAmplifierPumpTemperature (1182) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: AmplifierPumpTemperature (883)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an Amplifier Pump Temperature on an optical amplifier interface.		
<b>Remedial action:</b> Decrease the ambient temperature		

Table 39-685 OpticalTdcMEEPROMInvalid

Alarm	Attributes	Applicable major releases
Name: OpticalTdcMEEPROMInvalid (1189) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.WaveLengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcMEEPROMInvalid (890)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a TdcM EEPROM invalid on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> Replace the card		

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Table 39-686 OpticalTdcModuleCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: OpticalTdcModuleCommunicationFailure (1190) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcModuleCommunicationFailure (891)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdc Module Communication Failure on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> If the alarm is persistent: 1. clear the mda, 2. clear card 3. replace the card		

Table 39-687 OpticalTdcModuleTemperatureHigh

Alarm	Attributes	Applicable major releases
Name: OPTicalTdcModuleTemperatureHigh (1183) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcModuleTemperatureHigh (884)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdc Module Temperature High on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> Decrease the ambient temperature		

Table 39-688 OpticalTdcModuleTemperatureLow

Alarm	Attributes	Applicable major releases
Name: OPTicalTdcModuleTemperatureLow (1184) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcModuleTemperatureLow (885)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdc Module Temperature Low on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> Increase the ambient temperature		

Table 39-689 OpticalTdcnNotReady

Alarm	Attributes	Applicable major releases
Name: OpticalTdcnNotReady (1191) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcnNotReady (892)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdcn Not Ready on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> This is a transient condition that should clear under normal operation but if it causes the link to fail and persists: 1. clear the mda, 2. clear card 3. replace the card		

Table 39-690 OpticalTdcnThermalControlTemperatureLimit

Alarm	Attributes	Applicable major releases
Name: OpticalTdcnThermalControlTemperatureLimit (1192) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcnThermalControlTemperatureLimit (893)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdcn Thermal Control Temperature Limit on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> If this alarm persists: 1. clear the mda, 2. clear card 3. replace the card		

Table 39-691 OpticalTdcnThermalControlUnlocked

Alarm	Attributes	Applicable major releases
Name: OpticalTdcnThermalControlUnlocked (1193) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.WavelengthTracker	Severity: major Implicitly cleared: true Default probable cause: TdcnThermalControlUnlocked (894)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a Tdcn Thermal Control Unlocked on a tunable dispersion compensation module's interface.		
<b>Remedial action:</b> This is a transient condition that should clear under normal operation but if it causes the link to fail and persists: 1. clear the mda, 2. clear card 3. replace the card		

## 39 – Unspecified NE alarms

Table 39-692 OspfExportLimitDropped

Alarm	Attributes	Applicable major releases
Name: OspfExportLimitDropped (1924) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified
<b>Description:</b> The alarm is raised when the total number of exported routes to the OSPF level, drops below the configured limit.		
<b>Remedial action:</b> Informational - the total number of exported routes from the route table to this OSPF level drops below the configured export limit.		

Table 39-693 OspfExportLimitReached

Alarm	Attributes	Applicable major releases
Name: OspfExportLimitReached (1925) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
<b>Description:</b> The alarm is raised when the total number of routes to the OSPF level is equal to the configured limit for exported routes.		
<b>Remedial action:</b> Informational - the total number of routes for the level is equal to the configured limit for exported routes		

Table 39-694 OspfExportLimitWarning

Alarm	Attributes	Applicable major releases
Name: OspfExportLimitWarning (1926) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
<b>Description:</b> The alarm is raised when the total number of exported routes to the OSPF level is equal to the configured percentage, vRtrIsisExportLimitLogPercent of the export limit.		
<b>Remedial action:</b> Informational - the total number of exported routes or the level is equal to the configured Export Limit Log Percent		

Table 39-695 OspfExternalLsaThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: OspfExternalLsaThresholdExceeded (372) Type: topologyAlarm (34) Package: topology Raised on class: topology.Cpaa	Severity: major Implicitly cleared: true Default probable cause: manyExternalLSAsFloodingIntoIGP (271)	Unspecified
<b>Description:</b> The alarm is raised when the number of OSPF external LSAs exceeds the maximum threshold because a large number of external LSAs flooding into the IGP.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. The advertised external routes can be viewed using CPAM IGP prefix list.		

Table 39-696 OspfIfTxRetransmit

Alarm	Attributes	Applicable major releases
Name: OspfIfTxRetransmit (662) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.Interface	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> <li>• hello</li> <li>• dbDescript</li> <li>• lsReq</li> <li>• lsUpdate</li> <li>• lsAck</li> <li>• nullIPacket</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE retransmits an OSPF packet. The alarm information includes the NE ID of the OSPF neighbor. The alarm is not raised against a Release 4.0 or later NE.		
<b>Remedial action:</b> Informational - an NE retransmits an OSPF packet. The alarm information includes the NE ID of the OSPF neighbor. The alarm is not raised against a Release 4.0 or later NE.		

Table 39-697 OspfInternalLsaRateThresholdExceededPerArea

Alarm	Attributes	Applicable major releases
Name: OspfInternalLsaRateThresholdExceededPerArea (310) Type: topologyAlarm (34) Package: topology Raised on class: topology.Area	Severity: major Implicitly cleared: true Default probable cause: unstableIGPNetwork (241)	Unspecified
<b>Description:</b> The alarm is raised when the OSPF internal LSA rate for an area exceeds the maximum allowed value because of an unstable IGP network.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

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Table 39-698 OspfInternalLsaThresholdExceededPerArea

Alarm	Attributes	Applicable major releases
Name: OspfInternalLsaThresholdExceededPerArea (309) Type: topologyAlarm (34) Package: topology Raised on class: topology.Area	Severity: major Implicitly cleared: true Default probable cause: largeIgpNetwork (240)	Unspecified
<b>Description:</b> The alarm is raised when the number of OSPF internal LSAs for an area exceeds the maximum allowed value because of a large IGP network.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 39-699 OspfLsaRateThresholdExceededPerRouter

Alarm	Attributes	Applicable major releases
Name: OspfLsaRateThresholdExceededPerRouter (308) Type: topologyAlarm (34) Package: topology Raised on class: topology.Router	Severity: major Implicitly cleared: true Default probable cause: unstableLinksOnRouter (239)	Unspecified
<b>Description:</b> The alarm is raised when the OSPF LSA rate for an NE exceeds the maximum allowed value because of an unstable NE link.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		

Table 39-700 OspfLsaThresholdExceededPerRouter

Alarm	Attributes	Applicable major releases
Name: OspfLsaThresholdExceededPerRouter (374) Type: topologyAlarm (34) Package: topology Raised on class: topology.Router	Severity: major Implicitly cleared: true Default probable cause: routerAdvertisingManyLSAs (273)	Unspecified
<b>Description:</b> The alarm is raised when the number of OSPF LSAs for an NE exceeds the maximum allowed value because the NE advertises too many LSAs.		
<b>Remedial action:</b> User configured alarm for monitoring purpose. IGP historical map can be used for debugging purpose.		



Table 39-701 OTSTrailDown

Alarm	Attributes	Applicable major releases
Name: OTSTrailDown (8084) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTSTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the OTS trail are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-702 OTUAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: OTUAlarmIndicationSignal (755) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: AlarmIndicationSignal (531)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an AIS on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-703 OTUBackwardDefectIndication

Alarm	Attributes	Applicable major releases
Name: OTUBackwardDefectIndication (756) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BackwardDefectIndication (532)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a BDI on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-704 OTUBackwardIncomingAlignmentError

Alarm	Attributes	Applicable major releases
Name: OTUBackwardIncomingAlignmentError (815) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BackwardIncomingAlignmentError (578)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU alarm indication signal on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-705 OTUBitErrorRateSignalDegradation

Alarm	Attributes	Applicable major releases
Name: OTUBitErrorRateSignalDegradation (757) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: BitErrorRateSignalDegradation (533)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a BER-SD on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-706 OTUBitErrorRateSignalFail

Alarm	Attributes	Applicable major releases
Name: OTUBitErrorRateSignalFail (758) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: BitErrorRateSignalFail (534)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a BER-SF on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-707 OTUFECRxTxModeMismatch

Alarm	Attributes	Applicable major releases
Name: OTUFECRxTxModeMismatch (759) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: FECRxTxModeMismatch (535)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a FEC Rx/Tx mode mismatch on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-708 OTUFECSignalDegradation

Alarm	Attributes	Applicable major releases
Name: OTUFECSignalDegradation (760) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: FECSignalDegradation (536)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a FEC-SD on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-709 OTUFECSignalFailure

Alarm	Attributes	Applicable major releases
Name: OTUFECSignalFailure (761) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: FECSignalFailure (537)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a FEC-SF on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-710 OTUIncomingAlignmentError

Alarm	Attributes	Applicable major releases
Name: OTUIncomingAlignmentError (816) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: IncomingAlignmentError (579)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU open connection indication on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-711 OTULossOfClock

Alarm	Attributes	Applicable major releases
Name: OTULossOfClock (762) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfClock (538)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an LOC on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-712 OTULossOfFraming

Alarm	Attributes	Applicable major releases
Name: OTULossOfFraming (763) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfFraming (539)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an LOF on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-713 OTULossOfMultiFrame

Alarm	Attributes	Applicable major releases
Name: OTULossOfMultiFrame (764) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: LossOfMultiFrame (540)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an LOM on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-714 OTULossOfSignal

Alarm	Attributes	Applicable major releases
Name: OTULossOfSignal (765) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: LossOfSignal (541)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an LOS on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-715 OTUODUAlarmIndicationSignal

Alarm	Attributes	Applicable major releases
Name: OTUODUAlarmIndicationSignal (766) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: ODUAlarmIndicationSignal (542)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU AIS on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-716 OTUODULocked

Alarm	Attributes	Applicable major releases
Name: OTUODULocked (767) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: ODULocked (543)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU locked on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-717 OTUODUOpenConnectionIndication

Alarm	Attributes	Applicable major releases
Name: OTUODUOpenConnectionIndication (768) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: critical Implicitly cleared: true Default probable cause: OTUODUOpenConnectionIndication (544)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU-OCI on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-718 OTUOPUSIPayloadTypeMismatch

Alarm	Attributes	Applicable major releases
Name: OTUOPUSIPayloadTypeMismatch (817) Type: communicationsAlarm (4) Package: ethernetequipment Raised on class: ethernetequipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: OPUSIPayloadTypeMismatch (580)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a PM backward defect indication on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-719 OTUOPUPSITraceMismatch

Alarm	Attributes	Applicable major releases
Name: OTUOPUPSITraceMismatch (818) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: OPUPSITraceMismatch (581)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU locked indication on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-720 OTUPMBackwardDefectIndication

Alarm	Attributes	Applicable major releases
Name: OTUPMBackwardDefectIndication (769) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: PMBackwardDefectIndication (545)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a PM BDI on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-721 OTUPMTraceIDMismatch

Alarm	Attributes	Applicable major releases
Name: OTUPMTraceIDMismatch (819) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: PMTraceIDMismatch (582)	Unspecified
<b>Description:</b> The alarm is raised when a device reports an ODU open connection indication on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-722 OTUTraceIdMismatch

Alarm	Attributes	Applicable major releases
Name: OTUTraceIdMismatch (820) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: TraceIdMismatch (583)	Unspecified
<b>Description:</b> The alarm is raised when a device reports a trace ID mismatch on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-723 OTUTrailDown

Alarm	Attributes	Applicable major releases
Name: OTUTrailDown (5126) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTUTrail	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the OTU trail are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-724 OTUTrailMisConfigured

Alarm	Attributes	Applicable major releases
Name: OTUTrailMisConfigured (5127) Type: communicationsAlarm (4) Package: optical Raised on class: optical.OTUTrail	Severity: critical Implicitly cleared: false Default probable cause: OchCrossConnectionTrailNameMisMatch (1391)	Unspecified
<b>Description:</b> The alarm is raised when all the OCh cross connections (XCs) of an OTU trail do not have the same trail name. In order for the auto wavekey processing to work properly, the XC name should be the same on all NEs of the OTU trail.		
<b>Remedial action:</b> Recreate the OCH Cross Connects with same Trail name else Wave Tracker does not work properly.		



Table 39-725 OTUUncorrectableFECErrors

Alarm	Attributes	Applicable major releases
Name: OTUUncorrectableFECErrors (770) Type: communicationsAlarm (4) Package: ethernetEquipment Raised on class: ethernetEquipment.OtuInterface	Severity: major Implicitly cleared: true Default probable cause: UncorrectableFECErrors (546)	Unspecified
<b>Description:</b> The alarm is raised when a device reports one or more uncorrectable FEC errors on an OTU-enabled interface.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-726 OutOfSlots

Alarm	Attributes	Applicable major releases
Name: OutOfSlots (462) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: false Default probable cause: noAvailableSlotNumbers (352)	Unspecified
<b>Description:</b> The alarm is raised when a stack element enters pass-through mode because there is no slot number for the element.		
<b>Remedial action:</b> Login to switch console, correct the slot number and reload stack.		

Table 39-727 ParentTemplateInvalid

Alarm	Attributes	Applicable major releases
Name: ParentTemplateInvalid (194) Type: configurationAlarm (11) Package: template Raised on class: template.TemplateBinding	Severity: major Implicitly cleared: true Default probable cause: referencedObjectInvalid (152)	Unspecified
<b>Description:</b> The alarm is raised when a parent template in a template binding is invalid. The alarm is deprecated in the 5620 SAM, Release 6.0 and later.		
<b>Raising condition:</b> ('parentTemplateInvalidReference' EQUAL 'true')		
<b>Clearing condition:</b> ('parentTemplateInvalidReference' EQUAL 'false')		
<b>Remedial action:</b> Informational - deprecated 6.0		

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Table 39-728 PathReoptimized

Alarm	Attributes	Applicable major releases
Name: PathReoptimized (28) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: pathReoptimized (21)	Unspecified
<b>Description:</b> The alarm is raised when an MPLS path generates an mplsTunnelReoptimized trap.		
<b>Remedial action:</b> Informational only.		

Table 39-729 PathRerouted

Alarm	Attributes	Applicable major releases
Name: PathRerouted (29) Type: pathAlarm (12) Package: mpls Raised on class: mpls.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: pathRerouted (22)	Unspecified
<b>Description:</b> The alarm is raised when an MPLS path generates an mplsTunnelRerouted trap.		
<b>Remedial action:</b> Informational only.		

Table 39-730 PbbSiteMisconfiguration

Alarm	Attributes	Applicable major releases
Name: PbbSiteMisconfiguration (571) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.AbstractVpls	Severity: warning Implicitly cleared: true Default probable cause: includeBothBAndISite (440)	Unspecified
<b>Description:</b> The alarm is raised when a VPLS contains a B-Site and an I-Site.		
<b>Raising condition:</b> (('Include B-Site(s)' EQUAL 'true') AND ('Include I-Site(s)' EQUAL 'true'))		
<b>Clearing condition:</b> (('Include B-Site(s)' NOT EQUAL 'true') OR ('Include I-Site(s)' NOT EQUAL 'true'))		
<b>Remedial action:</b> A configuration error has occurred which needs to be corrected. The service can have only an I-site or a B-site but not both.		

Table 39-731 PChipCAMEvent

Alarm	Attributes	Applicable major releases
Name: PChipCAMEvent (814) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: true Default probable cause: camError (577)	Unspecified
<b>Description:</b> The alarm is raised when an IOM or CPM experiences a P-chip CAM error.		
<b>Remedial action:</b> Informational - if the condition persists then the card indicated in the alarm should be replaced.		

Table 39-732 PChipError

Alarm	Attributes	Applicable major releases
Name: PChipError (593) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: minor Implicitly cleared: true Default probable cause: pChipError (447)	Unspecified
<b>Description:</b> The alarm is raised when persistent FCS errors are detected on the specified complex in the specified direction.		
<b>Remedial action:</b> A fault has been detected in the hardware. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-733 PChipMemoryEvent

Alarm	Attributes	Applicable major releases
Name: PChipMemoryEvent (608) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: true Default probable cause: memoryParityError (451)	Unspecified
<b>Description:</b> The alarm is raised when a P chip detects a memory parity error. The alarm is raised against a 7450 ESS, 7710 SR, or 7750 SR. The alarm is raised against a Release 6.0 NE at R10 or later and a Release 6.1 NE at R5 or later.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 39-734 peerSetConfigurationIssue

Alarm	Attributes	Applicable major releases
Name: peerSetConfigurationIssue (267) Type: configurationAlarm (11) Package: pim Raised on class: pim.VirtualAnyCastRP	Severity: major Implicitly cleared: true Default probable cause: mismatchPeerSets (199)	Unspecified
<b>Description:</b> The alarm is raised when a peer set is misconfigured.		
<b>Remedial action:</b> A configuration error has occurred that must be corrected. Please check the global Virtual Anycast RP configuration and its operational status flag so that the Inconsistent Peer Sets and Only one peer bits are reset.		

Table 39-735 PeerUnreachable

Alarm	Attributes	Applicable major releases
Name: PeerUnreachable (842) Type: ProtocolAlarm (1) Package: l2tp Raised on class: l2tp.Peer	Severity: variable Implicitly cleared: true Default probable cause: protocolDown (1)	Unspecified
<b>Description:</b> The alarm is raised when an L2TP peer becomes unreachable.		
<b>Remedial action:</b> This alarm is raised when L2TP peer is unreachable. Please verify the L2TP tunnel profile configuration to ensure that the peer is properly configured. Also verify that the peer is actually reachable from this network element. This alarm is cleared automatically when L2TP Peer becomes reachable.		

Table 39-736 PersistenceRestoreProblem

Alarm	Attributes	Applicable major releases
Name: PersistenceRestoreProblem (5141) Type: processingErrorAlarm (81) Package: sw Raised on class: sw.NodePersistence	Severity: minor Implicitly cleared: false Default probable cause: persistenceRestoreProblem (2064)	Unspecified
<b>Description:</b> The alarm is raised when an error is detected while processing a persistence record.		
<b>Remedial action:</b> Check the node persistence configuration.		

Table 39-737 PersistencyFileSysThresRaised

Alarm	Attributes	Applicable major releases
Name: PersistencyFileSysThresRaised (5142) Type: equipmentAlarm (3) Package: sw Raised on class: sw.NodePersistence	Severity: major Implicitly cleared: true Default probable cause: persistencyFileSysThresRaised (2065)	Unspecified
<b>Description:</b> The alarm is raised when the filesystem reaches 90 percent usage.		
<b>Remedial action:</b> Delete unnecessary files on the compact flash disk. This operation must be executed using CLI interface on the NE.		

Table 39-738 PhysicalLinkDown

Alarm	Attributes	Applicable major releases
Name: PhysicalLinkDown (1140) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPath	Severity: major Implicitly cleared: true Default probable cause: PhysicalLinkDown (846)	Unspecified
<b>Description:</b> The alarm is raised when the physical link between two hops of a VLAN path is down.		
<b>Remedial action:</b> Check if the port that is used in the physical link is operationally up.		

Table 39-739 PkiCertVerificationFailed

Alarm	Attributes	Applicable major releases
Name: PkiCertVerificationFailed (3743) Type: configurationAlarm (11) Package: ipsec Raised on class: ipsec.IPSecBaseEntity	Severity: major Implicitly cleared: true Default probable cause: pkiCertInvalid (1478)	Unspecified
<b>Description:</b> The alarm is raised when an attempt to verify the certificate fails.		
<b>Remedial action:</b> An attempt to verify the certificate fails. Please make sure the certificate specified exists under the node cf3:system-pki and is a valid certificate		

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Table 39-740 PkiFileReadFailed (ipsec)

Alarm	Attributes	Applicable major releases
Name: PkiFileReadFailed (3744) Type: configurationAlarm (11) Package: ipsec Raised on class: ipsec.IPSecBaseEntity	Severity: major Implicitly cleared: true Default probable cause: pkiFileReadCorrupted (1479)	Unspecified
<b>Description:</b> The alarm is raised when an attempt to read the file fails.		
<b>Remedial action:</b> An attempt to read the PKI file fails. Please make sure the path specified is correct and the file exists under the node cf3:system-pki		

Table 39-741 PkiFileReadFailed (sitesec)

Alarm	Attributes	Applicable major releases
Name: PkiFileReadFailed (3744) Type: configurationAlarm (11) Package: sitesec Raised on class: sitesec.CertificateAuthProfile	Severity: major Implicitly cleared: true Default probable cause: pkiFileReadCorrupted (1479)	Unspecified
<b>Description:</b> The alarm is raised when an attempt to read the file fails.		
<b>Remedial action:</b> An attempt to read the PKI file fails. Please make sure the path specified is correct and the file exists under the node cf3:system-pki		

Table 39-742 PlcyAcctStatsEventOvrflw

Alarm	Attributes	Applicable major releases
Name: PlcyAcctStatsEventOvrflw (5640) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: PlcyAcctStatsPoolInUseExcAndLow (2415)	Unspecified
<b>Description:</b> The alarm is raised because of resource usage fluctuation that happens when the number of in-use stats resource usage exceeds 95 percent and deprecates below 85 percent of the specified stats pool limit more than 200 times.		
<b>Remedial action:</b> Notifications will resume once the resource usage fluctuation is in control i.e when the occurrence of tmnxPlcyAcctStatsPoolExcResource and tmnxPlcyAcctStatsPoolLowResource is less than 200.		

Table 39-743 PMFileRecovery

Alarm	Attributes	Applicable major releases
Name: PMFileRecovery (4867) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: false Default probable cause: netconfDown (1935)	Unspecified
<b>Description:</b> The alarm is raised when a 5620 SAM main server loses connectivity to an NE and as a result retrieves PM files that were not previously collected.		
<b>Remedial action:</b> Informational		

Table 39-744 PoolMinFreeExc

Alarm	Attributes	Applicable major releases
Name: PoolMinFreeExc (3696) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AddressPool	Severity: warning Implicitly cleared: false Default probable cause: actualFreeAddrBelowPoolMin (1434)	Unspecified
<b>Description:</b> The alarm is raised when the actual number of free addresses in a pool falls below the desired minimum number specified in the address pool configuration.		
<b>Remedial action:</b> The alarm is raised when the actual number of free addresses in a pool falls below the desired minimum number specified in the address pool configuration.		

Table 39-745 PortsSeggregated

Alarm	Attributes	Applicable major releases
Name: PortsSeggregated (746) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPathInstance	Severity: major Implicitly cleared: true Default probable cause: portsSeggregated (522)	Unspecified
<b>Description:</b> The alarm is raised when the two ports that are to be part of a service cross-connect are segregated.		
<b>Remedial action:</b> Segregated ports are being used in service. Remove the port from Segregation or use a port that is not involved in Segregation.		

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Table 39-746 PowerModule\_voltageALocalFailure

Alarm	Attributes	Applicable major releases
Name: PowerModule_voltageALocalFailure (6171) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAPowerModule	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when the 48V Voltage Failure happens in the power supply A of the local Shelf.		
<b>Remedial action:</b> TBD		

Table 39-747 PowerModule\_voltageARemoteFailure

Alarm	Attributes	Applicable major releases
Name: PowerModule_voltageARemoteFailure (6172) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAPowerModule	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when the 48V Voltage Failure happens in the power supply A of the remote Shelf.		
<b>Remedial action:</b> TBD		

Table 39-748 PowerModule\_voltageBLocalFailure

Alarm	Attributes	Applicable major releases
Name: PowerModule_voltageBLocalFailure (6173) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAPowerModule	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified
<b>Description:</b> This Alarm is raised when the 48V Voltage Failure happens in the power supply B of the local Shelf.		
<b>Remedial action:</b> TBD		

Table 39-749 PowerModule\_voltageBRemoteFailure

Alarm	Attributes	Applicable major releases
Name: PowerModule_voltageBRemoteFailure (6174) Type: environmentalAlarm (2) Package: femto Raised on class: femto.SCATCAPowerModule	Severity: major Implicitly cleared: true Default probable cause: powerProblem (911)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when the 48V Voltage Failure happens in the power supply B of the remote Shelf.		
<b>Remedial action:</b> TBD		

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Table 39-750 PowerSupplyACRectifierFailure

Alarm	Attributes	Applicable major releases
Name: PowerSupplyACRectifierFailure (5181) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupplyTray	Severity: minor Implicitly cleared: true Default probable cause: PowerSupplyACRectifierFailedorMissing (2097)	Unspecified
<b>Description:</b> This alarm is generated if any one of the AC rectifiers for a given power supply is in a failed state or is missing. When the alarm is raised during device discovery, one or both AC Rectifiers of the Power Supply Tray may be not equipped. When the alarm is raised while the device is in the managed state, one or both AC Rectifiers of the Power Supply Tray might be removed or they have a fault condition. The alarm clears when the status changes to OK.		
<b>Remedial action:</b> Ensure that the NE is properly connected to power. There is an increased risk of the power supply failing, causing insufficient power to the system. Please bring the AC rectifiers back online by equipping them properly. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-751 PowerSupplyVoltageAlarm

Alarm	Attributes	Applicable major releases
Name: PowerSupplyVoltageAlarm (1129) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.PowerSupply	Severity: variable Implicitly cleared: false Default probable cause: powerSupplyFailure (117)	Unspecified
<b>Description:</b> The alarm is raised when the power supply voltage alarm state changes to a value other than Normal.		
<b>Remedial action:</b> Check the status of the site power supply.		

Table 39-752 PPPFail

Alarm	Attributes	Applicable major releases
Name: PPPFail (632) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: pppFail (469)	Unspecified
<b>Description:</b> The alarm is raised when a PPP IP Fail condition is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-753 PppNcpFailure

Alarm	Attributes	Applicable major releases
Name: PppNcpFailure (3689) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: sapAtmPppNcpFailure (1428)	Unspecified
<b>Description:</b> The alarm is raised when there is an NCP phase setup problem.		
<b>Remedial action:</b> This alarm indicates the NCP phase setup failed, thus IP protocol can not be configured for the user that attempted to set up the PPP session. Please verify NCP setup configuration.		

Table 39-754 PPPoASessionFailure

Alarm	Attributes	Applicable major releases
Name: PPPoASessionFailure (3688) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapAtmPppSessionFailure (1427)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create a PPPoA Session.		
<b>Remedial action:</b> This alarm indicates the problem encountered by NE while trying to create a new PPPoA session. Please review the alarm's additional text to obtain information about the error condition. Possible problems include authentication failures, LCP or IPCP layer problems during the session establishment, or possible mis-configuration on the service interface or PPP policy.		

Table 39-755 PPPoESessionFailure

Alarm	Attributes	Applicable major releases
Name: PPPoESessionFailure (2915) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: pppoeSessionFailed (1119)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create a PPPoE Session.		
<b>Remedial action:</b> This alarm indicates the problem encountered by NE while trying to create a new PPPoE session. Please review the alarm's additional text to obtain information about the error condition. Possible problems include authentication failures, LCP or IPCP layer problems during the session establishment, or possible mis-configuration on the service interface or PPP policy.		

Table 39-756 PrefixLimitExceeded

Alarm	Attributes	Applicable major releases
Name: PrefixLimitExceeded (4) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: critical Implicitly cleared: false Default probable cause: prefixLimitExceeded (4)	Unspecified
<b>Description:</b> The alarm is raised when a BGP instance learns the maximum number of peer routes.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of peer routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-757 PrefixLimitNearing

Alarm	Attributes	Applicable major releases
Name: PrefixLimitNearing (3) Type: ProtocolAlarm (1) Package: bgp Raised on class: bgp.Peer	Severity: major Implicitly cleared: false Default probable cause: prefixLimitNearing (3)	Unspecified
<b>Description:</b> The alarm is raised when a BGP instance exceeds the threshold percentage of the configured maximum.		
<b>Remedial action:</b> Informational. The threshold configured should be revisited to ensure that it is not set to low given the number of peer routes that are being received. If the threshold is set close to the maximum number of routes supported by the NE then it is probable that there is an issue with another NE in the network. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-758 PrimaryVirtualSwitchControllerFailed

Alarm	Attributes	Applicable major releases
Name: PrimaryVirtualSwitchControllerFailed (5429) Type: virtualSwitchAlarm (136) Package: dctr Raised on class: dctr.VirtualSwitch	Severity: major Implicitly cleared: true Default probable cause: PrimaryControllerFailOver (2130)	Unspecified
<b>Description:</b> The alarm is raised when communication between the virtual switch to the primary controller has failed.		
<b>Remedial action:</b> This alarm can be cleared when primary virtual switch is operationally up.		

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**Table 39-759 ProbeFailedAlarm (atm)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-760 ProbeFailedAlarm (bgp)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-761 ProbeFailedAlarm (ethernetoam)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAMtest on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-762 ProbeFailedAlarm (Idp)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Idp Raised on class: Idp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-763 ProbeFailedAlarm (Ite)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Ite Raised on class: Ite.EPSPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-764 ProbeFailedAlarm (Iteservice)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: Iteservice Raised on class: Iteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-765 ProbeFailedAlarm (mirror)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-766 ProbeFailedAlarm (monpath)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-767 ProbeFailedAlarm (mpls)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-768 ProbeFailedAlarm (mplstp)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-769 ProbeFailedAlarm (netw)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-770 ProbeFailedAlarm (pim)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

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Table 39-771 ProbeFailedAlarm (rtr)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAMtest on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-772 ProbeFailedAlarm (service)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-773 ProbeFailedAlarm (svt)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		



Table 39-774 ProbeFailedAlarm (vll)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-775 ProbeFailedAlarm (vpis)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vpis Raised on class: vpis.AbstractVpis	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-776 ProbeFailedAlarm (vprn)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm (3707) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-777 ProbeFailedAlarm2 (ethernetoam)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-778 ProbeFailedAlarm2 (lte)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-779 ProbeFailedAlarm2 (mpls)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-780 ProbeFailedAlarm2 (rtr)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-781 ProbeFailedAlarm2 (service)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when ProbeFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-782 ProbeFailedAlarm2 (svt)

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm2 (3738) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAMtest on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-783 ProbeFailedAlarm3 (mpls)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm3 (3885) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-784 ProbeFailedAlarm3 (service)**

Alarm	Attributes	Applicable major releases
Name: ProbeFailedAlarm3 (3885) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports a probe failure.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-785 ProbeFailureAlarm**

Alarm	Attributes	Applicable major releases
Name: ProbeFailureAlarm (3902) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> This alarm is raised when a probe failure trap is received from the node.		
<b>Remedial action:</b> Fix network connections issues.		

Table 39-786 ProvisioningMismatch

Alarm	Attributes	Applicable major releases
Name: ProvisioningMismatch (634) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: provisioningMismatch (470)	Unspecified
<b>Description:</b> The alarm is raised when a license mismatch is detected for provisioned equipment.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-787 PTPCardNotSupportedAlarm

Alarm	Attributes	Applicable major releases
Name: PTPCardNotSupportedAlarm (3603) Type: equipmentAlarm (3) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: minor Implicitly cleared: true Default probable cause: PTPCardNotSupported (1392)	Unspecified
<b>Description:</b> The alarm is raised when the Precision Timing Protocol (PTP) is enabled on a card that does not support clock recovery.		
<b>Remedial action:</b> Please enable PTP on CPM which supports OCX0 oscillator type		

Table 39-788 PTPClockRecoveryStateAlarm

Alarm	Attributes	Applicable major releases
Name: PTPClockRecoveryStateAlarm (3605) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: info Implicitly cleared: false Default probable cause: PTPClockRecoveryStateChange (1394)	Unspecified
<b>Description:</b> The alarm is raised when the aluPtpClockRecoveryState changes for an IEEE 1588 Precision Timing Protocol (PTP) clock.		
<b>Remedial action:</b> Informational		

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Table 39-789 PTPMasterChangeAlarm

Alarm	Attributes	Applicable major releases
Name: PTPMasterChangeAlarm (3606) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: info Implicitly cleared: false Default probable cause: PTPMasterChange (1395)	Unspecified
<b>Description:</b> The alarm is raised when there is a change in the synchronization source for a Precision Timing Protocol (PTP) clock.		
<b>Remedial action:</b> Informational		

Table 39-790 PTPOutOfResourcesAlarm

Alarm	Attributes	Applicable major releases
Name: PTPOutOfResourcesAlarm (3607) Type: equipmentAlarm (3) Package: ptp Raised on class: ptp.IEEEPTPClock	Severity: minor Implicitly cleared: true Default probable cause: PTPOutOfResources (1396)	Unspecified
<b>Description:</b> The alarm is raised when the Precision Timing Protocol (PTP) process on the card is out of resources. This may occur in either of two situations: 1. The number of PTP peers exceeds the system limit. 2. The total unicast packet rate negotiated with all PTP peers reaches the maximum packet rate supported by the system.		
<b>Remedial action:</b> Informational		

Table 39-791 PTPPortDSPortStateAlarm

Alarm	Attributes	Applicable major releases
Name: PTPPortDSPortStateAlarm (3610) Type: communicationsAlarm (4) Package: ptp Raised on class: ptp.IEEEPTPPort	Severity: info Implicitly cleared: true Default probable cause: PTPPortDSPortState (1399)	Unspecified
<b>Description:</b> The alarm is raised when the aluPtpPortDSPortState changes for an IEEE 1588 Precision Timing Protocol (PTP) port.		
<b>Remedial action:</b> Informational.		

Table 39-792 PTPQualityLevelChangedAlarm

Alarm	Attributes	Applicable major releases
Name: PTPQualityLevelChangedAlarm (3612) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: false Default probable cause: PTPQualityLevelChanged (1401)	Unspecified
<b>Description:</b> The alarm is raised when there is a change of the received quality level on the Precision Timing Protocol (PTP).		
<b>Remedial action:</b> Informational only.		

Table 39-793 QChipBufferMemoryEvent

Alarm	Attributes	Applicable major releases
Name: QChipBufferMemoryEvent (4990) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: bufMemoryError (2044)	Unspecified
<b>Description:</b> The alarm is raised when a Q-chip experiences an occurrence of a buffer memory error on IOM or CPM.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-794 QChipIfCellEvent

Alarm	Attributes	Applicable major releases
Name: QChipIfCellEvent (4991) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: ifCellError (2045)	Unspecified
<b>Description:</b> The alarm is raised when an inter-chip interface (XPL2 bundle) experiences internal datapath cell errors on IOM or CPM.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

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Table 39-795 QChipIfDownEvent

Alarm	Attributes	Applicable major releases
Name: QChipIfDownEvent (4992) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: ifDownError (2046)	Unspecified
<b>Description:</b> The alarm is raised when an inter-chip interface (XPL2 bundle) experiences an internal datapath problem on IOM or CPM.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-796 QChipIntMemoryEvent

Alarm	Attributes	Applicable major releases
Name: QChipIntMemoryEvent (4993) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: intMemoryError (2047)	Unspecified
<b>Description:</b> The alarm is raised when a Q-chip experiences an occurrence of an internal memory error on IOM or CPM.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-797 QChipResetProtImpact

Alarm	Attributes	Applicable major releases
Name: QChipResetProtImpact (5642) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: qChipResetProtocolTimeout (2418)	Unspecified
<b>Description:</b> The alarm is raised when a slot experienced a data path failure due to Qchip reset on IOM/CPM which caused a timeout on short BFD or ETH-CFM protocol timers.		
<b>Remedial action:</b> Informational. The alarm is raised when a slot experienced a data path failure due to Qchip reset on IOM/CPM which caused a timeout on short BFD or ETH-OAM protocol timers. Services-related data associated with the impacted protocol may be lost.		



Table 39-798 QChipStatsMemoryEvent

Alarm	Attributes	Applicable major releases
Name: QChipStatsMemoryEvent (4994) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.Card	Severity: minor Implicitly cleared: true Default probable cause: statsMemoryError (2048)	Unspecified
<b>Description:</b> The alarm is raised when a Q-chip experiences an occurrence of a statistics memory error on IOM or CPM.		
<b>Remedial action:</b> A fault has been detected in the hardware if the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-799 QueryVerMismatch

Alarm	Attributes	Applicable major releases
Name: QueryVerMismatch (159) Type: configurationAlarm (11) Package: igmp Raised on class: igmp.Interface	Severity: warning Implicitly cleared: false Default probable cause: InvalidVersionofQueryMessageReceived (129)	Unspecified
<b>Description:</b> The alarm is raised when an interface configured for IGMPv3 receives a query message for an earlier IGMP version. The interface subsequently enters an IGMP mode that is compatible with the earlier version. The alarm information includes the IGMP version on the interface and the IGMP version of the received query.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-800 RadAcctOnOngoing

Alarm	Attributes	Applicable major releases
Name: RadAcctOnOngoing (4971) Type: radiusAccountingPolicyAlarm (38) Package: aaa Raised on class: aaa.RadiusServerPolicy	Severity: minor Implicitly cleared: false Default probable cause: TooManyUnacknowledgedRadiusAccountingOnMessages (2025) Applicable probable causes: <ul style="list-style-type: none"> <li>• TooManyUnacknowledgedRadiusAccountingOnMessages</li> <li>• MisconfiguredPolicy</li> <li>• RadiusServerUnreachable</li> <li>• MissingClientInformation</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised each time when the RADIUS client has sent 10 RADIUS Accounting-On messages without receiving any acknowledgement from the RADIUS server.		
<b>Remedial action:</b> Ensure that: 1.The RADIUS server is up and running. 2.The RADIUS server policy configuration is correct. Please note that this system will keep on retrying indefinitely until it receives an acknowledgement from the RADIUS server.		

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**Table 39-801 RadioHop15TCA**

Alarm	Attributes	Applicable major releases
Name: RadioHop15TCA (4835) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio hop 15 minutes TCA		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

**Table 39-802 RadioHop15UAT**

Alarm	Attributes	Applicable major releases
Name: RadioHop15UAT (4836) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio hop 15 minutes UAT		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

**Table 39-803 RadioHop24TCA**

Alarm	Attributes	Applicable major releases
Name: RadioHop24TCA (4837) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio hop 24 Hours TCA		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

**Table 39-804 RadioHop24UAT**

Alarm	Attributes	Applicable major releases
Name: RadioHop24UAT (4838) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio hop 24 Hours UAT		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-805 RadioLink15TCA

Alarm	Attributes	Applicable major releases
Name: RadioLink15TCA (4839) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio Link 15 minutes TCA		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-806 RadioLink15UAT

Alarm	Attributes	Applicable major releases
Name: RadioLink15UAT (4840) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio Link 15 minutes UAT		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-807 RadioLink24TCA

Alarm	Attributes	Applicable major releases
Name: RadioLink24TCA (4841) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: ThresholdCrossed (1920)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio Link 24 Hours TCA		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-808 RadioLink24UAT

Alarm	Attributes	Applicable major releases
Name: RadioLink24UAT (4842) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: UnavailableTime (1921)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a threshold crossing - Radio Link 24 Hours UAT		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-809 RadioLinkAMAbnormalState

Alarm	Attributes	Applicable major releases
Name: RadioLinkAMAbnormalState (3943) Type: radiolinkAMABNAlarm (119) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: inate Implicitly cleared: true Default probable cause: RadiolinkAMABNProblem (1525)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to Radio link AM mode.		
<b>Remedial action:</b> The alarm is raised when abnormal state resulted due to Radio link AM mode.		

Table 39-810 RadioLinkDown

Alarm	Attributes	Applicable major releases
Name: RadioLinkDown (747) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.VlanPath	Severity: major Implicitly cleared: true Default probable cause: radioLinkDown (523)	Unspecified
<b>Description:</b> The alarm is raised when the radio link between two hops of a VLAN path is down.		
<b>Remedial action:</b> Check if the port that is used in the Radio link is operationally up.		

Table 39-811 RadioLoopProblemCh1

Alarm	Attributes	Applicable major releases
Name: RadioLoopProblemCh1 (4843) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LoopProblem (1922)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a MPT detects a ATPC/ACM Loop problem - CH1 Radio Loop Problem		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-812 RadioLoopProblemChx

Alarm	Attributes	Applicable major releases
Name: RadioLoopProblemChx (4844) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: LoopProblem (1922)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a ATPC/ACM Loop problem - CHX Radio Loop Problem		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-813 RadioRdi

Alarm	Attributes	Applicable major releases
Name: RadioRdi (4846) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: major Implicitly cleared: true Default probable cause: Rdi (1888)	Unspecified
<b>Description:</b> The alarm is raised when a microwave radio device receives a remote defect indication from the far end microwave radio.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-814 RadioSwPackageMissing

Alarm	Attributes	Applicable major releases
Name: RadioSwPackageMissing (4848) Type: integrityViolation (85) Package: mwa Raised on class: mwa.PortTermination	Severity: warning Implicitly cleared: true Default probable cause: SwPackageMissing (1925)	Unspecified
<b>Description:</b> The alarm is raised when a valid microwave radio software package is not present at startup.		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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Table 39-815 RadiusAcctPlcyFailure

Alarm	Attributes	Applicable major releases
Name: RadiusAcctPlcyFailure (363) Type: radiusAccountingPolicyAlarm (38) Package: radiusaccounting Raised on class: radiusaccounting.Policy	Severity: major Implicitly cleared: false Default probable cause: radiusAccountingRequestFailure (260)	Unspecified
<b>Description:</b> The alarm is raised when a RADIUS accounting request is not successfully sent to any of the RADIUS servers specified in the RADIUS accounting policy.		
<b>Remedial action:</b> The Radius server(s) which are configured in the accounting policy are unreachable. This may occur in a number of different scenarios. The server(s) may have become unresponsive - please refer to the Radius server documentation for assistance. The network connectivity to the server(s) may have been lost - please investigate why the underlying transport network is unreliable.		

Table 39-816 RadiusInsertedFtrEntryDropped

Alarm	Attributes	Applicable major releases
Name: RadiusInsertedFtrEntryDropped (1152) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: warning Implicitly cleared: false Default probable cause: FilterEntryDropped (856)	Unspecified
<b>Description:</b> The alarm is raised when a request to insert a filter entry is not successful for a RADIUS application.		
<b>Remedial action:</b> A Configuration error has occurred. The request to insert a filter entry was not successful for Radius application. Check the configuration filter entry.		

Table 39-817 RadiusInsertSpaceThresholdAlarm

Alarm	Attributes	Applicable major releases
Name: RadiusInsertSpaceThresholdAlarm (1151) Type: configurationAlarm (11) Package: acfilter Raised on class: acfilter.FilterDefinition	Severity: major Implicitly cleared: true Default probable cause: UtilizationExceedConfiguredLimit (855)	Unspecified
<b>Description:</b> The alarm is raised when the utilization of a filter entry range that is reserved for filter entry insertion increases to the configured maximum value for a RADIUS application insert range.		
<b>Remedial action:</b> The filter entry range reserved for filter entry insertion has increased to the configured high watermark for Radius application. Make an adjusted to the watermarks or to the filter.		

Table 39-818 radiusServerOverloaded

Alarm	Attributes	Applicable major releases
Name: radiusServerOverloaded (3913) Type: communicationsAlarm (4) Package: subscrauth Raised on class: subscrauth.RadiusEntry	Severity: major Implicitly cleared: true Default probable cause: radiusServerRequestLimitReached (1499)	Unspecified
<b>Description:</b> The alarm is raised when the RADIUS server is overloaded.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Over Loaded'))		
<b>Clearing condition:</b> (('Operational State' NOT EQUAL 'Over Loaded'))		
<b>Remedial action:</b> Verify the RADIUS server is properly configured to process pending authentication requests at the desired rate and ensure that this rate matches the authentication request limit defined for this RADIUS server on the network element.		

Table 39-819 RadRouteDownloadFailed

Alarm	Attributes	Applicable major releases
Name: RadRouteDownloadFailed (4418) Type: communicationsAlarm (4) Package: aaa Raised on class: aaa.RouteDownloadPolicy	Severity: warning Implicitly cleared: false Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when a RADIUS route-download process fails.		
<b>Remedial action:</b> Ensure that: 1.The routes defined in the RADIUS Server have a valid syntax. 2.The number of downloaded routes is less than the maximum. 3.There are no issues affecting the node's ability to populate the routes into the routing table.		

Table 39-820 RDI (mpr)

Alarm	Attributes	Applicable major releases
Name: RDI (806) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.IMALink	Severity: minor Implicitly cleared: true Default probable cause: remoteDefectIndication (572)	Unspecified
<b>Description:</b> The alarm is raised when a Remote Defect Indication signal is detected on an ASAP MDA.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-821 RDICH1

Alarm	Attributes	Applicable major releases
Name: RDICH1 (4833) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: RemoteDefectIndication (1919)	Unspecified
<b>Description:</b> The alarm is raised when a MPT receives a remote MPT CH1 remote defect indication		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-822 RDICHx

Alarm	Attributes	Applicable major releases
Name: RDICHx (4834) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: RemoteDefectIndication (1919)	Unspecified
<b>Description:</b> The alarm is raised when a MPT receives a remote MPT CHX remote defect indication		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

Table 39-823 ReceivedHigherBridgePriority

Alarm	Attributes	Applicable major releases
Name: ReceivedHigherBridgePriority (504) Type: SdpBindingAlarm (30) Package: I2fwd Raised on class: I2fwd.CircuitStp	Severity: warning Implicitly cleared: false Default probable cause: customerDeviceMisconfigured (332)	Unspecified
<b>Description:</b> The alarm is raised when a customer NE is configured with a bridge priority of zero. The SDP binding that connects to the customer device is subsequently blocked.		
<b>Remedial action:</b> Remove the customer's device or reconfigure the customer's bridge priority with value greater than zero.		



Table 39-824 RedundancySwitchover

Alarm	Attributes	Applicable major releases
Name: RedundancySwitchover (181) Type: equipmentAlarm (3) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: CPMSwitchover (1440)	Unspecified
<b>Description:</b> The alarm is raised when a 5620 SAM main server receives a CPMSwitchover trap from an NE, which indicates that the standby CPM detects an active CPM failure and is preparing to take over as the new active CPM.		
<b>Remedial action:</b> Informational.		

Table 39-825 RedundantIfMismatch

Alarm	Attributes	Applicable major releases
Name: RedundantIfMismatch (419) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: redundantIfNotProperlyPaired (312)	Unspecified
<b>Description:</b> The alarm is raised when the local and remote redundant interfaces are not correctly paired.		
<b>Remedial action:</b> Reconfigure the redundant interfaces for the peer SRRP instances so that they match each other.		

Table 39-826 RedundantRadioLink

Alarm	Attributes	Applicable major releases
Name: RedundantRadioLink (1081) Type: configurationAlarm (11) Package: netw Raised on class: netw.RadioPhysicalLink	Severity: minor Implicitly cleared: false Default probable cause: redundantRadioLinkConfigured (819)	Unspecified
<b>Description:</b> The alarm is raised when a radio link is discovered between two nodes when there is already a physical link(s) between the same nodes.		
<b>Remedial action:</b> Informational-this alarm indicates that there is another radio link between the nodes involved.		

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Table 39-827 ReferenceOneLossOfSignal

Alarm	Attributes	Applicable major releases
Name: ReferenceOneLossOfSignal (1953) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneLossOfSignal (941)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference One on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to Reference One is properly configured.		

Table 39-828 ReferenceOneOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: ReferenceOneOutOfFrequency (1954) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneOutOfFrequency (942)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference One on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Check the communication path is up between the local PTP slave clock and its selected master		

Table 39-829 ReferenceOneOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: ReferenceOneOutOfPollInRange (1955) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceOneOutOfPollInRange (943)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference One on an NE is not qualified due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the timing reference is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

Table 39-830 ReferenceTwoLossOfSignal

Alarm	Attributes	Applicable major releases
Name: ReferenceTwoLossOfSignal (1956) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoLossOfSignal (944)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference Two on an NE is not qualified due to Loss of Signal.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'LOS'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'LOS'))))		
<b>Remedial action:</b> Make sure that peer connected to Reference Two is properly configured.		

Table 39-831 ReferenceTwoOutOfFrequency

Alarm	Attributes	Applicable major releases
Name: ReferenceTwoOutOfFrequency (1957) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoOutOfFrequency (945)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference Two on an NE is not qualified due to Out of frequency.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOF'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOF'))))		
<b>Remedial action:</b> Make sure that frequency configured for Reference Two is correct.		

Table 39-832 ReferenceTwoOutOfPollInRange

Alarm	Attributes	Applicable major releases
Name: ReferenceTwoOutOfPollInRange (1958) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: ReferenceTwoOutOfPollInRange (946)	Unspecified
<b>Description:</b> The alarm is raised when the Timing Reference Two on an NE is not qualified due to Out of poll in range.		
<b>Raising condition:</b> (('Not Qualified Due To'anyBit'OOPIR'))		
<b>Clearing condition:</b> NOT (((('Not Qualified Due To'anyBit'OOPIR'))))		
<b>Remedial action:</b> Check the timing reference is configured correctly. Check the SONET port is configured correctly and that the physical layer cabling is operating correctly. Call customer support if necessary.		

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Table 39-833 Registered4GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: Registered4GUEsExceeded (5048) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of 4G Registered UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('4G Registered UEs Threshold' NOT EQUAL '0L') AND ('4G Registered UEs' > '4G Registered UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-834 RegisteredIdle4GUEsExceeded

Alarm	Attributes	Applicable major releases
Name: RegisteredIdle4GUEsExceeded (5049) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of 4G Registered Idle UEs exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('4G Registered Idle UEs Threshold' NOT EQUAL '0L') AND ('4G Registered Idle UEs' > '4G Registered Idle UEs Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-835 RemoteDefectIndication

Alarm	Attributes	Applicable major releases
Name: RemoteDefectIndication (2942) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: remoteDefectIndication (572)	Unspecified
<b>Description:</b> The alarm is raised when a RDI occurs.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-836 RemoteNEFailure

Alarm	Attributes	Applicable major releases
Name: RemoteNEFailure (1173) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: remoteNEFailure (874)	Unspecified
<b>Description:</b> The alarm is raised when a remote NE failure is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-837 ReplaceableUnitMissing

Alarm	Attributes	Applicable major releases
Name: ReplaceableUnitMissing (635) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cardMissing (471)	Unspecified
<b>Description:</b> The alarm is raised when a device detects that a provisioned card is not physically present.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-838 ReplaceableUnitProblem (equipment)

Alarm	Attributes	Applicable major releases
Name: ReplaceableUnitProblem (636) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: cardFail (472)	Unspecified
<b>Description:</b> The alarm is raised when a card fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-839 ReplaceableUnitProblem (mpr)

Alarm	Attributes	Applicable major releases
Name: ReplaceableUnitProblem (636) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: cardFail (472)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> The alarm is raised when a card fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-840 ReplaceableUnitTypeMismatch (equipment)

Alarm	Attributes	Applicable major releases
Name: ReplaceableUnitTypeMismatch (637) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: equipmentMismatch (473)	Unspecified
<b>Description:</b> The alarm is raised when there is a mismatch between the installed card type and the expected card type.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 39-841 ReplaceableUnitTypeMismatch (mpr)

Alarm	Attributes	Applicable major releases
Name: ReplaceableUnitTypeMismatch (637) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: equipmentMismatch (473)	Unspecified
<b>Description:</b> The alarm is raised when there is a mismatch between the installed equipment type and the expected equipment type.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card type configured for the slot identified in the alarm must match the installed card type.		

Table 39-842 ReplicationLmtExceeded

Alarm	Attributes	Applicable major releases
Name: ReplicationLmtExceeded (3968) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.BaseCard	Severity: info Implicitly cleared: false Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when an IOM fails to program an OIF for an (S,G) record because the replication limit for that (S,G) on that IOM has been reached. The replication limit per (S,G) entry on an IOM is currently 127.		
<b>Remedial action:</b> Informational - no corrective action required		

Table 39-843 ReservedRouteTargetMismatch

Alarm	Attributes	Applicable major releases
Name: ReservedRouteTargetMismatch (6446) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: reservedRouteTargetChanged (2446)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a pre-assigned route target on this VPRN has been modified. The alarm information includes the source, i.e., import or export, and the conflict reserved VPRN RT entry distinguished name.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. This VPRN's route target has been modified from its pre-reserved value defined in the Reserved VPRN Route Target Table.		

Table 39-844 ResiliencySapDeleted

Alarm	Attributes	Applicable major releases
Name: ResiliencySapDeleted (688) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: resiliencySapDeleted (503)	Unspecified
<b>Description:</b> The alarm is raised when a SAP that is used for resiliency is deleted.		
<b>Remedial action:</b> Informational.		

Table 39-845 ResiliencyServiceSwitch

Alarm	Attributes	Applicable major releases
Name: ResiliencyServiceSwitch (689) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: secondaryServiceSiteActive (504)	Unspecified
<b>Description:</b> The alarm is raised when a secondary service becomes active.		
<b>Remedial action:</b> Informational.		

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Table 39-846 ResiliencySiteDeleted

Alarm	Attributes	Applicable major releases
Name: ResiliencySiteDeleted (690) Type: resiliencyAlarm (58) Package: resiliency Raised on class: resiliency.HsdpaResiliency	Severity: major Implicitly cleared: true Default probable cause: secondaryServiceSiteDeleted (505)	Unspecified
<b>Description:</b> The alarm is raised when a secondary service site is deleted.		
<b>Remedial action:</b> Informational.		

Table 39-847 restoreFailureAlarm

Alarm	Attributes	Applicable major releases
Name: restoreFailureAlarm (535) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: restoreFailureAlarm (404)	Unspecified
<b>Description:</b> The alarm is raised when the software restore process on an NE fails.		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

Table 39-848 RetimingBufferOverflow

Alarm	Attributes	Applicable major releases
Name: RetimingBufferOverflow (1130) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: bufferOverflow (839)	Unspecified
<b>Description:</b> The alarm is raised when an retiming buffer overflow occurs.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		



Table 39-849 RevertiveMismatch

Alarm	Attributes	Applicable major releases
Name: RevertiveMismatch (4899) Type: pathAlarm (12) Package: mplstp Raised on class: mplstp.PathMep	Severity: warning Implicitly cleared: true Default probable cause: RevertiveMismatch (1956)	Unspecified
<b>Description:</b> This alarm is generated when an MPLS-TP LSP revertive mode mismatch is detected on the protection MEP. The revertive mode must match on the local node and the far-end node.		
<b>Remedial action:</b> This alarm is generated when an MPLS-TP LSP revertive mode mismatch is detected on the protection MEP. The revertive mode must match on the local node and the far-end node.		

Table 39-850 RFSwitchFail (equipment)

Alarm	Attributes	Applicable major releases
Name: RFSwitchFail (5425) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: rFSwitchFail (2128)	Unspecified
<b>Description:</b> The alarm is raised when a RF switch failure is detected.		
<b>Remedial action:</b> The alarm is raised when RF switch failure is detected. Refer 9500 Node Maintenance manual for remedial action information		

Table 39-851 RFSwitchFail (mpr)

Alarm	Attributes	Applicable major releases
Name: RFSwitchFail (5425) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: rFSwitchFail (2128)	Unspecified
<b>Description:</b> The alarm is raised when a RF switch failure is detected.		
<b>Remedial action:</b> The alarm is raised when RF switch failure is detected. Refer 9500 Node Maintenance manual for remedial action information		

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**Table 39-852 RingAuditProblem**

Alarm	Attributes	Applicable major releases
Name: RingAuditProblem (4995) Type: configurationAlarm (11) Package: ethring Raised on class: ethring.Ring	Severity: major Implicitly cleared: false Default probable cause: invalidConfiguration (2049)	Unspecified
<b>Description:</b> The alarm is raised when the Ring Audit has detected a problem.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. Please see the additional test for more details.		

**Table 39-853 RipAuthenticationFailure**

Alarm	Attributes	Applicable major releases
Name: RipAuthenticationFailure (70) Type: authenticationAlarm (14) Package: rip Raised on class: rip.Interface	Severity: warning Implicitly cleared: false Default probable cause: authFailure (46)	Unspecified
<b>Description:</b> The alarm is raised when a peer authentication failure occurs. The alarm information includes the peer address.		
<b>Remedial action:</b> Informational - please check that RIP neighbor is sending the RIPv2 packet with the matching authentication key with this router.		

**Table 39-854 RipAuthenticationMismatch**

Alarm	Attributes	Applicable major releases
Name: RipAuthenticationMismatch (71) Type: authenticationAlarm (14) Package: rip Raised on class: rip.Interface	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45)	Unspecified
<b>Description:</b> The alarm is raised when a peer authentication mismatch occurs. The alarm indicates the peer address.		
<b>Remedial action:</b> Informational - please check that RIP neighbor is sending the RIPv2 packet with the matching authentication type with this router.		

Table 39-855 RipExportLimitDropped

Alarm	Attributes	Applicable major releases
Name: RipExportLimitDropped (1927) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitDropped (598)	Unspecified
<b>Description:</b> The alarm is raised when the total number of exported routes from the route table to this RIP level drops below the configured export limit		
<b>Remedial action:</b> Informational.		

Table 39-856 RipExportLimitReached

Alarm	Attributes	Applicable major releases
Name: RipExportLimitReached (1928) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitReached (599)	Unspecified
<b>Description:</b> The alarm is raised when the total number of routes for the level is equal to the configured limit for exported routes		
<b>Remedial action:</b> Informational - Additional routes would not be exported into RIP from the route table.		

Table 39-857 RipExportLimitWarning

Alarm	Attributes	Applicable major releases
Name: RipExportLimitWarning (1929) Type: configurationAlarm (11) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: false Default probable cause: exportLimitWarning (600)	Unspecified
<b>Description:</b> The alarm is raised when the number of exported routes for the RIP level equals the percentage of the export limit configured in the Export Limit Log Percent parameter.		
<b>Remedial action:</b> Informational - Additional routes will continue to be exported into RIP from the route table till the export limit is reached.		

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Table 39-858 ripRouteMaxLimitReached

Alarm	Attributes	Applicable major releases
Name: ripRouteMaxLimitReached (1090) Type: ProtocolAlarm (1) Package: rip Raised on class: rip.Site	Severity: warning Implicitly cleared: true Default probable cause: maxRouteReached (825)	Unspecified
<b>Description:</b> The alarm is raised when the number of RIP routes learned by an NE exceeds the maximum specified in the RIP configuration of the NE.		
<b>Remedial action:</b> Informational - no corrective action required		

Table 39-859 RootDirMaxFilesReached

Alarm	Attributes	Applicable major releases
Name: RootDirMaxFilesReached (3699) Type: storageAlarm (25) Package: equipment Raised on class: equipment.FlashMemory	Severity: variable Implicitly cleared: false Default probable cause: rootDirMaxFilesReached (1437)	Unspecified
<b>Description:</b> The alarm is raised when the number of files in the root directory reaches the maximum.		
<b>Remedial action:</b> This alarm has been raised due the fact that the number of files in the root directory of the compact flash has gone beyond the pre-defined limit. To rectify this issue please remove unused files from the root directory.		

Table 39-860 RouterLimitExceedDueToMultiAdditions

Alarm	Attributes	Applicable major releases
Name: RouterLimitExceedDueToMultiAdditions (602) Type: cpamLicensingAlarm (39) Package: security Raised on class: security.CpamLicense	Severity: critical Implicitly cleared: true Default probable cause: cpamRouterLimitExceedDueToMultiAdditions (448)	Unspecified
<b>Description:</b> The alarm is raised when the 5650 CPAM cannot discover one or more routers because the license capacity is reached.		
<b>Raising condition:</b> ('License violation due to multiple routers addition' EQUAL 'true')		
<b>Clearing condition:</b> ('License violation due to multiple routers addition' EQUAL 'false')		
<b>Remedial action:</b> Informational - The number of router (Big/Small/Multicast/Third Party) licenses purchased and available on the CPAM server is insufficient as compared to the number of big/small/multicast/third party routers under management in the network. Please contact Alcatel-Lucent Sales to purchase additional licenses.		

Table 39-861 RouteTargetConflict

Alarm	Attributes	Applicable major releases
Name: RouteTargetConflict (6447) Type: configurationAlarm (11) Package: I3fwd Raised on class: I3fwd.ServiceSite	Severity: warning Implicitly cleared: true Default probable cause: routeTargetConflictWithOtherService (2447)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects a conflict between the configured route target on VPRN and the Reserved VPRN Table. The alarm information includes the source, i.e., import or export, and the conflict reserved VPRN RT entry distinguished name.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. The configured VPRN route target has a conflict with the Reserved VPRN Route Target Table. This route target has been reserved by another service.		

Table 39-862 RouteTargetMisConfigured

Alarm	Attributes	Applicable major releases
Name: RouteTargetMisConfigured (8139) Type: configurationAlarm (11) Package: service Raised on class: service.SvcResourceReservation	Severity: warning Implicitly cleared: false Default probable cause: routeTargetMisConfigured (2535)	Unspecified
<b>Description:</b> This alarm is raised when the configured route targets associated with this Reserved Route Target entry has been misconfigured; i.e. the route target RT1 or RT2 is not configured when they are needed for associated VPRN service site creation. The affected route target's relative distinguished name is included in the alarm.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. This Reserved VPRN Route Target Table does not have all the configured route targets that are needed for the associated VPRN. This alarm needs to be explicitly cleared.		

Table 39-863 RPSAbnormalState

Alarm	Attributes	Applicable major releases
Name: RPSAbnormalState (3934) Type: rpsAbnormalConditionAlarm (114) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: RPSProblem (1517)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to force switch/lockout operation in RPS mode.		
<b>Remedial action:</b> This alarm is raised when forced-switch/lockout command in RPS mode which led to an abnormal condition.		

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Table 39-864 RPSPPathFail

Alarm	Attributes	Applicable major releases
Name: RPSPPathFail (8133) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: receiverProtectionFail (824)	Unspecified
<b>Description:</b> The alarm is raised when a receiver protection switchover fails.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-865 RTM\_rtmMP3\_3V

Alarm	Attributes	Applicable major releases
Name: RTM_rtmMP3_3V (6191) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCARTM	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to RTM 3.3V monitoring from the carrier.		
<b>Remedial action:</b> TBD		

Table 39-866 RTM\_rtmPower12V

Alarm	Attributes	Applicable major releases
Name: RTM_rtmPower12V (6192) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCARTM	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to RTM 12V monitoring from the carrier.		
<b>Remedial action:</b> TBD		

Table 39-867 RTM\_rtmPowerCurrent

Alarm	Attributes	Applicable major releases
Name: RTM_rtmPowerCurrent (6193) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCARTM	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified

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Alarm	Attributes	Applicable major releases
<b>Description:</b> This Alarm is raised when failure happens to RTM current monitoring from the carrier.		
<b>Remedial action:</b> TBD		

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Table 39-868 RTM\_rtmPowerPGD

Alarm	Attributes	Applicable major releases
Name: RTM_rtmPowerPGD (6194) Type: equipmentAlarm (3) Package: femto Raised on class: femto.SCATCARTM	Severity: major Implicitly cleared: false Default probable cause: equipmentMalfunction (698)	Unspecified
<b>Description:</b> This Alarm is raised when failure happens to Power supply status, from the RTM point of view.		
<b>Remedial action:</b> TBD		

Table 39-869 RxFail

Alarm	Attributes	Applicable major releases
Name: RxFail (687) Type: communicationsAlarm (4) Package: radioequipment Raised on class: radioequipment.RadioPortSpecifics	Severity: variable Implicitly cleared: true Default probable cause: rxFail (502)	Unspecified
<b>Description:</b> The alarm is raised when an MSS detects a receive failure.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-870 SapDHCPLeaseEntriesExceeded

Alarm	Attributes	Applicable major releases
Name: SapDHCPLeaseEntriesExceeded (386) Type: communicationsAlarm (4) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapDHCPLeaseEntriesExceeded (290)	Unspecified
<b>Description:</b> The alarm is raised when the number of DHCP lease-state entries on a SAP reaches the configured maximum value. This value is defined by sapTlsDhcpLeasePopulate for a TLS VLAN service, and by vRtrIfDHCPLeasePopulate for an IES or VPRN service.		
<b>Remedial action:</b> The Number of DHCP lease-state entries (e.g. subscribers) on the affected interface has crossed the leasePopulate threshold defined in the DHCP Relay configuration of that interface. Please review the DHCP leasePopulate configuration and adjust the number of allowed leases to meet the network requirements. Alternately, the DHCP leases can be spread out across extra interfaces.		

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Table 39-871 sapDHCPLeaseStatePopulateErr

Alarm	Attributes	Applicable major releases
Name: sapDHCPLeaseStatePopulateErr (3908) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: sapDHCPLeaseStatePopulateError (1495)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot update the DHCP Lease State table upon reception of a DHCP ACK message.		
<b>Remedial action:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot update the DHCP Lease State table upon reception of a DHCP ACK message. Verify the local DHCP server configuration or the DHCP relay configuration. Additionally, verify the length of the auto-generated subscriber identification.		

Table 39-872 sapDHCPProxyServerError

Alarm	Attributes	Applicable major releases
Name: sapDHCPProxyServerError (387) Type: communicationsAlarm (4) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: UnableProxyDHCPRequest (291)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to proxy a DHCP request.		
<b>Remedial action:</b> Please verify your DHCP relay configuration. The local proxy server will not become operational without the emulated-server address being specified. Also ensure the Proxy server state is enabled on this SAP.		

Table 39-873 SapMismatch

Alarm	Attributes	Applicable major releases
Name: SapMismatch (417) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: remoteSapMismatch (310)	Unspecified
<b>Description:</b> The alarm is raised when the SRRP SAPs on the local interface do not match the SRRP SAPs on the remote interface.		
<b>Remedial action:</b> Reconfigure the Service Access Interfaces for the Group Interface so that they connecting to each other for the peer SRRPs.		



Table 39-874 sapReceivedProtSrcMac

Alarm	Attributes	Applicable major releases
Name: sapReceivedProtSrcMac (393) Type: accessInterfaceAlarm (40) Package: l2fwd Raised on class: l2fwd.AccessInterfaceFib	Severity: minor Implicitly cleared: false Default probable cause: ProtectedSourceMacLearned (294)	Unspecified
<b>Description:</b> The alarm is raised when a restricted SAP receives a re-learn request for a protected MAC address.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-875 SapStaticHostDynamicMacConflict

Alarm	Attributes	Applicable major releases
Name: SapStaticHostDynamicMacConflict (313) Type: configurationAlarm (11) Package: antispoof Raised on class: antispoof.AntiSpoofingStaticHosts	Severity: minor Implicitly cleared: false Default probable cause: LearnedDynamicMacAlreadyLearned (243)	Unspecified
<b>Description:</b> The alarm is raised when an NE tries to learn a dynamic MAC address from an IP-only static host.		
<b>Remedial action:</b> Informational - The NE has detected an existing FIB entry with the same MAC address, created for another static host. Clearing the FIB entries could fix it.		

Table 39-876 SapTagMismatch

Alarm	Attributes	Applicable major releases
Name: SapTagMismatch (418) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: false Default probable cause: remoteSyncTagMismatch (311)	Unspecified
<b>Description:</b> The alarm is raised when the tag of a local SAP does not match the tag of a remote SAP.		
<b>Remedial action:</b> Reconfigure the SAPs for the peer SRRP instances so that their tags match each other.		

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Table 39-877 SapVlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: SapVlanSubTypeConflict (290) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Site	Severity: warning Implicitly cleared: false Default probable cause: topologyMisconfigured (81)	Unspecified
<b>Description:</b> The alarm is raised when a SAP resynchronization indicates that the VLAN subtype of the SAP is different from the site subtype. The alarm information includes the ID of the associated port.		
<b>Remedial action:</b> Ensure that the VLAN Subtype of the SAP matches the VLAN Subtype of the Site.		

Table 39-878 SasAccountingAlarm

Alarm	Attributes	Applicable major releases
Name: SasAccountingAlarm (691) Type: oamAlarm (18) Package: sas Raised on class: sas.TestSuite	Severity: minor Implicitly cleared: true Default probable cause: noAccountingPolicy (506)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM cannot find an SAA Accounting Policy.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. An SAA Accounting policy is required but has not been configured - please perform the required configuration.		

Table 39-879 SasPmBinAlarmLimitReached

Alarm	Attributes	Applicable major releases
Name: SasPmBinAlarmLimitReached (5413) Type: configurationAlarm (11) Package: server Raised on class: server.SamServer	Severity: variable Implicitly cleared: false Default probable cause: tooManyAlarmsRaisedByBinStats (2121)	Unspecified
<b>Description:</b> The alarm is raised when PM Bin Statistics has exceeded the limit of alarms for an interval.		
<b>Remedial action:</b> Informational - the maximum number of bin threshold alarms that can be raised in the reset interval has been reached. After the Bin alarm reset interval has passed, alarms can be raised again for the next interval until the number of alarms reaches the limit again.		

Table 39-880 SasPmBinStatThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: SasPmBinStatThresholdExceeded (5412) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: variable Implicitly cleared: false Default probable cause: SasPmBinStatThresholdExceeded (2120)	Unspecified
<b>Description:</b> The alarm is raised if sas pm bin stats count exceeds threshold limit. This Alarm has to be cleared Manually.		
<b>Remedial action:</b> The alarm is raised if sas pm bin stats count exceeds Threshold Limit.This Alarm has to be cleared Manually.		

Table 39-881 SasResultCollectionThresholdExceeded

Alarm	Attributes	Applicable major releases
Name: SasResultCollectionThresholdExceeded (5158) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: false Default probable cause: sasResultCollectionThresholdExceeded (2078)	Unspecified
<b>Description:</b> The alarm is raised if test result count exceeds maximum allowed Limit.		
<b>Remedial action:</b> collection Rate Greater Than expected.		

Table 39-882 SasResyncWorkerQueueOverflow

Alarm	Attributes	Applicable major releases
Name: SasResyncWorkerQueueOverflow (8137) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: variable Implicitly cleared: false Default probable cause: tooManySasResyncTasks (2533)	Unspecified
<b>Description:</b> The alarm is raised when incoming OAM traps can not be handled because the number of tasks that await processing on the SasResyncWorkerPool queue by the 5620 SAM surpasses the servers capacity to process them. The trap tasks mainly include incoming test results and threshold crossing events.		
<b>Remedial action:</b> Consider stopping some SNMP based tests or using accounting-file based tests instead. The alarm has to be cleared manually.		

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Table 39-883 SasThresholdExceededAlarm

Alarm	Attributes	Applicable major releases
Name: SasThresholdExceededAlarm (272) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when a rising or falling threshold is crossed by a jitter, latency, or loss value. The alarm is raised only against a scheduled test. The alarm information includes the threshold type, the threshold setting, and the current rising or falling value.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-884 SasTooManyTestsOnNodeAlarm

Alarm	Attributes	Applicable major releases
Name: SasTooManyTestsOnNodeAlarm (287) Type: oamAlarm (18) Package: sas Raised on class: sas.NeAgent	Severity: major Implicitly cleared: true Default probable cause: tooManyTestsDeployedOnNode (220)	Unspecified
<b>Description:</b> The alarm is raised when an NE reaches 60 percent of the allowed number of created or simultaneously executed OAM tests. An attempt to create or execute an NE schedulable test on an NE fails when the number of tests reaches 95 percent of the NE capacity. The alarm information includes the following: - the NE ID - the number of deployed tests on the NE - the allowed number of deployed tests on the NE		
<b>Remedial action:</b> Informational - 5620 SAM is close to or at the maximum number of OAM tests it can support.		

Table 39-885 ScriptAlarm

Alarm	Attributes	Applicable major releases
Name: ScriptAlarm (5131) Type: serverAlarm (94) Package: script Raised on class: script.AbstractScript	Severity: variable Implicitly cleared: false Default probable cause: ScriptAlarm (2061)	Unspecified
<b>Description:</b> This alarm was raised from within a SAM user script when certain conditions were met, as implemented by the script author. See the alarm's 'Additional Text' for any informative details the script author may have supplied.		
<b>Remedial action:</b> This is an alarm generated from within a SAM user script, and therefore the remedial action will vary. See the alarm's "Additional Text" for any remedial action the script author may have supplied.		

Table 39-886 scriptBackupLost

Alarm	Attributes	Applicable major releases
Name: scriptBackupLost (273) Type: configurationAlarm (11) Package: subscriber Raised on class: subscriber.Policy	Severity: warning Implicitly cleared: true Default probable cause: backupDown (205)	Unspecified
<b>Description:</b> The alarm is raised when the primary subscriber identification script URL is operationally up, but a lower-priority script or URL is operationally down.		
<b>Raising condition:</b> (('isLocal' EQUAL 'true') AND ('Primary Script Operational State' EQUAL 'Up') AND (('Secondary Script Operational State' NOT EQUAL 'Up') OR ('Tertiary Script Operational State' NOT EQUAL 'Up')))		
<b>Clearing condition:</b> (('isLocal' EQUAL 'true') AND (('Primary Script Operational State' NOT EQUAL 'Up') OR (('Secondary Script Operational State' EQUAL 'Up') AND ('Tertiary Script Operational State' EQUAL 'Up'))))		
<b>Remedial action:</b> If the DHCP ACK Python script processing behaviour is desired, please make sure that primary, secondary and tertiary scripts are installed and operationally up.		

Table 39-887 SdpBindingMisconfigured

Alarm	Attributes	Applicable major releases
Name: SdpBindingMisconfigured (293) Type: SdpBindingAlarm (30) Package: svt Raised on class: svt.SdpBinding	Severity: critical Implicitly cleared: true Default probable cause: returnSdpBindingTypeMismatch (224)	Unspecified
<b>Description:</b> The alarm is raised when the return SDP binding type does not match the originating SDP binding type, for example, when the return SDP binding is spoke and the originating SDP binding is mesh.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The configuration on the endpoints of the SDP does not match causing the SDP to be down. Correct the configuration error and the SDP will come up.		

Table 39-888 sdpBindReceivedProtSrcMac

Alarm	Attributes	Applicable major releases
Name: sdpBindReceivedProtSrcMac (3746) Type: SdpBindingAlarm (30) Package: l2fwd Raised on class: l2fwd.AbstractCircuitFib	Severity: minor Implicitly cleared: false Default probable cause: ProtectedSourceMacLearned (294)	Unspecified
<b>Description:</b> The alarm is raised when a restricted SDP receives a re-learn request for a protected MAC address.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-889 SdpMldSnpgGrpDroppedLimitExceeded

Alarm	Attributes	Applicable major releases
Name: SdpMldSnpgGrpDroppedLimitExceeded (738) Type: SdpBindingAlarm (30) Package: vpls Raised on class: vpls.SdpBindingMldSnpgCfg	Severity: warning Implicitly cleared: false Default probable cause: igmpSnpgGrpMaxNbrGrpsReached (292)	Unspecified
<b>Description:</b> The alarm is raised when an SDP binding drops an MLD group because the configurable maximum number of MLD groups on the SDP binding is reached.		
<b>Remedial action:</b> Increase the maximum number of MLD groups for the SDP binding.		

Table 39-890 sdpPbbActvPwWithNonActvCtrlPwChg

Alarm	Attributes	Applicable major releases
Name: sdpPbbActvPwWithNonActvCtrlPwChg (5416) Type: processingErrorAlarm (81) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: sdpPbbActvPwWithNonActvCtrlPwChg (2123)	Unspecified
<b>Description:</b> The alarm is raised when last pseudo-wire (PW) goes standby or down and when first PW becomes active on the Backbone Edge Bridge (BEB) where control PW is standby or down on that SDP.		
<b>Remedial action:</b> sdpPbbActvPwWithNonActvCtrlPwChg event with sdpPbbActvPwWithNonActvCtrlPw set to 'false' indicate clearing of sdpPbbActvPwWithNonActvCtrlPwChg with sdpPbbActvPwWithNonActvCtrlPw set to 'true'.		

Table 39-891 SecondaryBatteryFail (equipment)

Alarm	Attributes	Applicable major releases
Name: SecondaryBatteryFail (3624) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
<b>Description:</b> The alarm is raised when a secondary battery failure is detected.		
<b>Remedial action:</b> The battery on the CPM should be replaced or re-installed.		

Table 39-892 SecondaryBatteryFail (mpr)

Alarm	Attributes	Applicable major releases
Name: SecondaryBatteryFail (3624) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
<b>Description:</b> The alarm is raised when a secondary battery failure is detected.		
<b>Remedial action:</b> The battery on the subrack element(MPT) should be replaced or re-installed.		

Table 39-893 SectionTraceMismatch

Alarm	Attributes	Applicable major releases
Name: SectionTraceMismatch (2943) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: sectionTraceMismatch (1133)	Unspecified
<b>Description:</b> The alarm is raised when a trace mismatch is detected on a SONET section.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-894 SerialChannelLoopback

Alarm	Attributes	Applicable major releases
Name: SerialChannelLoopback (807) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.SerialChannelSpecifics	Severity: warning Implicitly cleared: false Default probable cause: serialChannelLoopback (573)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a serial channel has a loopback alarm condition.		
<b>Remedial action:</b> Informational only.		

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Table 39-895 ServerDeclineStaticAddr

Alarm	Attributes	Applicable major releases
Name: ServerDeclineStaticAddr (3951) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: DhcpClientHasStaticIpAddress (1530)	Unspecified
<b>Description:</b> The tmnxDhcpSvrDeclineStaticAddr notification is generated when a DHCP decline message is received from a DHCP client that has a static IP address assigned.		
<b>Remedial action:</b> DHCP client has a static IP address. Make sure that the DHCP client has a dynamic IP address		

Table 39-896 ServerHardware\_dnsServerDown

Alarm	Attributes	Applicable major releases
Name: ServerHardware_dnsServerDown (6223) Type: processingErrorAlarm (81) Package: femto Raised on class: femto.ServerHardware	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	Unspecified
<b>Description:</b> This fault is generated when the DNS server within FGW hardware is out of service.		
<b>Remedial action:</b> TBD		

Table 39-897 ServerHardware\_snmpServerDown

Alarm	Attributes	Applicable major releases
Name: ServerHardware_snmpServerDown (6241) Type: equipmentAlarm (3) Package: femto Raised on class: femto.ServerHardware	Severity: major Implicitly cleared: true Default probable cause: outOfService (798)	Unspecified
<b>Description:</b> This fault is generated when the ToD server within FGW hardware is out of service		
<b>Remedial action:</b> TBD		



Table 39-898 ServerLeaseDefaultTimers

Alarm	Attributes	Applicable major releases
Name: ServerLeaseDefaultTimers (2937) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: LeaseTimerInconsistent (1129)	Unspecified
<b>Description:</b> The alarm is raised when the system has reverted to default lease timer values for a particular DHCP client because the configuration of the lease timers was inconsistent.		
<b>Remedial action:</b> This warning is generated when configuration of the lease timers of a particular DHCP client is inconsistent; the system has reverted to default lease timer values. The lease renew time T1 and lease rebind time T2 have been reverted to the default value of 1/2 and 2/3 of the lease time. Please check the lease timers configuration on the local DHCP server to ensure the timers are compatible.		

Table 39-899 ServerMaxLeasesReached

Alarm	Attributes	Applicable major releases
Name: ServerMaxLeasesReached (3316) Type: configurationAlarm (11) Package: netw Raised on class: netw.NetworkElement	Severity: critical Implicitly cleared: false Default probable cause: DhcpSvrMaxLeasesReached (1155)	Unspecified
<b>Description:</b> The alarm is raised when the maximum number of leases allocated by local DHCP server is reached.		
<b>Remedial action:</b> Informational - this alarm indicates that the maximum number of leases allocated by a local DHCP server was reached. The address ranges for existing address pools should be extended or a new address pool should be configured for the local DHCP server.		

Table 39-900 ServerMsgTooLong

Alarm	Attributes	Applicable major releases
Name: ServerMsgTooLong (2938) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: DhcpSvrMsgTooLong (1130)	Unspecified
<b>Description:</b> The alarm is raised when a DHCP message is generated but the message size exceeds either the maximum DHCP message size, or the size provided by the client in the option maximum DHCP message size.		
<b>Remedial action:</b> Review the access network DHCP configuration to ensure all parties send DHCP packets with appropriate message size.		

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Table 39-901 ServerUserDatabaseUnknown

Alarm	Attributes	Applicable major releases
Name: ServerUserDatabaseUnknown (3952) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.AbstractDhcpServer	Severity: warning Implicitly cleared: false Default probable cause: CannotFindUserDatabase (1531)	Unspecified
<b>Description:</b> The tmnxDhcpSvrUserDbUnknown notification is generated when the local DHCP server instance drops a DHCP message because a local user database with the name specified for this server instance could not be found.		
<b>Remedial action:</b> Please specify a valid local user database for this server instance.		

Table 39-902 ServiceMisConfigured

Alarm	Attributes	Applicable major releases
Name: ServiceMisConfigured (8140) Type: configurationAlarm (11) Package: service Raised on class: service.SvcResourceReservation	Severity: warning Implicitly cleared: true Default probable cause: serviceMisConfigured (2536)	Unspecified
<b>Description:</b> This alarm is raised when the VPRN service associated with a route target reservation entry has been modified, i.e., the service name is changed, or the service is deleted, or there is duplicate VPRN service with the same service and customer name detected. The associated service manager ID is attached with the alarm.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. The VPRN service associated with this Route Target Reservation entry has been modified, or there is duplicate VPRN service with the same service name detected.		

Table 39-903 SflowCpEntrySampling

Alarm	Attributes	Applicable major releases
Name: SflowCpEntrySampling (8142) Type: communicationsAlarm (4) Package: sflow Raised on class: sflow.Receiver	Severity: major Implicitly cleared: true Default probable cause: SflowCpSamplingInterruptedorStarted (2538)	Unspecified
<b>Description:</b> The alarm is raised when the sampling of an sFlow counter poller is interrupted or started.		
<b>Remedial action:</b> Counter sampling may not be available. Make sure counter poller is reachable from NE and no counter poller sequence reset happened.		

Table 39-904 SflowPacketTransmissionFailure

Alarm	Attributes	Applicable major releases
Name: SflowPacketTransmissionFailure (8143) Type: communicationsAlarm (4) Package: sflow Raised on class: sflow.Receiver	Severity: major Implicitly cleared: true Default probable cause: SflowPacketTxFailure (2539)	Unspecified
<b>Description:</b> The alarm is raised when an sFlow packet fails to transmit from an active sFlow receiver.		
<b>Remedial action:</b> Packet transmission failed.Flow data may be lost. Please check the Receiver configurations and make sure it is up and running.		

Table 39-905 SGLimitExceeded

Alarm	Attributes	Applicable major releases
Name: SGLimitExceeded (456) Type: resourceAlarm (28) Package: equipment Raised on class: equipment.Card	Severity: warning Implicitly cleared: false Default probable cause: pimSnpgSGGroupMaxSupportedLimitExceeded (350)	Unspecified
<b>Description:</b> The alarm is raised when the number of PIM snooping source group records on a card exceeds the maximum.		
<b>Remedial action:</b> Informational - The alarm is raised when the number of PIM snooping source group records on a card exceeds the maximum. To rectify this issue please increase the max number of groups for the pim snooping associated with the card. The maximum number allowed is 16,000 (S,G) entries.		

Table 39-906 ShamLinkDbDescriptAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkDbDescriptAuthFailure (663) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>authTypeMismatch</li> <li>authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-907 ShamLinkDbDescriptConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkDbDescriptConfig (664) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-908 ShamLinkHelloAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkHelloAuthFailure (666) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-909 ShamLinkHelloConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkHelloConfig (667) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-910 ShamLinkLsAckAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsAckAuthFailure (668) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an lsAck packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a lsAck packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-911 ShamLinkLsAckConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsAckConfig (669) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsAck packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsAck packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-912 ShamLinkLsReqAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsReqAuthFailure (670) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-913 ShamLinkLsReqConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsReqConfig (671) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-914 ShamLinkLsUpdateAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsUpdateAuthFailure (672) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsUpdate packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsUpdate packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-915 ShamLinkLsUpdateConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkLsUpdateConfig (673) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsUpdate packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsUpdate packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-916 ShamLinkNullPacketAuthFailure

Alarm	Attributes	Applicable major releases
Name: ShamLinkNullPacketAuthFailure (674) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a sham link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a sham link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		



Table 39-917 ShamLinkNullPacketConfig

Alarm	Attributes	Applicable major releases
Name: ShamLinkNullPacketConfig (675) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a sham link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a sham link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-918 ShamLinkRxBadPacket

Alarm	Attributes	Applicable major releases
Name: ShamLinkRxBadPacket (676) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.ShamLink	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> <li>• hello</li> <li>• dbDescript</li> <li>• lsReq</li> <li>• lsUpdate</li> <li>• lsAck</li> <li>• nullPacket</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE cannot parse an OSPF packet that it receives on a sham link.		
<b>Remedial action:</b> Informational - an NE cannot parse an OSPF packet that it receives on a sham link.		

## 39 – Unspecified NE alarms

Table 39-919 ShelfCPUAboveThreshold

Alarm	Attributes	Applicable major releases
Name: ShelfCPUAboveThreshold (638) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfCPUUtilizationCrossedAboveThreshold (474)	Unspecified
<b>Description:</b> The alarm is raised when shelf CPU usage exceeds the threshold value.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

Table 39-920 ShelfMemoryAboveThreshold

Alarm	Attributes	Applicable major releases
Name: ShelfMemoryAboveThreshold (639) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfMemoryUtilizationCrossedAboveThreshold (475)	Unspecified
<b>Description:</b> The alarm is raised when shelf memory usage exceeds the threshold value.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

Table 39-921 ShelfRxAboveThreshold

Alarm	Attributes	Applicable major releases
Name: ShelfRxAboveThreshold (640) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfRxUtilizationCrossedAboveThreshold (476)	Unspecified
<b>Description:</b> The alarm is raised when shelf Rx exceeds the threshold value.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

Table 39-922 ShelfRxTxAboveThreshold

Alarm	Attributes	Applicable major releases
Name: ShelfRxTxAboveThreshold (641) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfRxTxUtilizationCrossedAboveThreshold (477)	Unspecified
<b>Description:</b> The alarm is raised when shelf Tx exceeds the threshold value.		
<b>Remedial action:</b> Informational - Please contact Alcatel-Lucent support for assistance.		

Table 39-923 ShelfTemperatureAboveThreshold

Alarm	Attributes	Applicable major releases
Name: ShelfTemperatureAboveThreshold (642) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.HealthMonitoring	Severity: major Implicitly cleared: false Default probable cause: ShelfTemperatureUtilizationCrossedAboveThreshold (478)	Unspecified
<b>Description:</b> The alarm is raised when shelf temperature exceeds the threshold value.		
<b>Remedial action:</b> The NE has detected internal temperatures which are abnormally high. This could be caused by a failed fan unit or one or more dirty fan filters. Replacing the failed unit or filters should resolve the problem. Alternately the environment that the NE is operating in may not be within specifications found in the NE user guides.		

Table 39-924 SignalLabelMismatch

Alarm	Attributes	Applicable major releases
Name: SignalLabelMismatch (3625) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: signalLabelMismatch (619)	Unspecified
<b>Description:</b> The alarm is raised when a signal label mismatch is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-925 SiteBgpAdVplsIdMisconfiguration

Alarm	Attributes	Applicable major releases
Name: SiteBgpAdVplsIdMisconfiguration (739) Type: configurationAlarm (11) Package: vpls Raised on class: vpls.BgpAdSite	Severity: major Implicitly cleared: true Default probable cause: bgpAdVplsIdInconsistent (439)	Unspecified
<b>Description:</b> The alarm is raised when the configured VPLS ID on a BGP AD object differs from the VPLS ID configured for the VPLS site.		
<b>Remedial action:</b> The VPLS ID on a BGP AD object must match the VPLS ID configured for the VPLS site.		

Table 39-926 SiteSyncDeploymentFailure

Alarm	Attributes	Applicable major releases
Name: SiteSyncDeploymentFailure (589) Type: equipmentAlarm (3) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: false Default probable cause: siteSyncFailure (441)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM tries to deploy a value for an object when a transaction that involves the object is in progress from a different context.		
<b>Remedial action:</b> Another transaction is updating the object, Please try after some time.		

Table 39-927 SnmpTrapDropped

Alarm	Attributes	Applicable major releases
Name: SnmpTrapDropped (179) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: snmpDaemonOverloaded (141)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives a tmnxTrapDropped notification from an NE to indicate that the NE has dropped a trap. As a result, the 5620 SAM resynchronizes the table associated with the dropped trap.		
<b>Remedial action:</b> Informational.		

Table 39-928 SoftwareBootFailure

Alarm	Attributes	Applicable major releases
Name: SoftwareBootFailure (107) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: major Implicitly cleared: true Default probable cause: softwareBootProblem (91)	Unspecified
<b>Description:</b> The alarm is raised when an NE fails to boot because of a software problem.		
<b>Remedial action:</b> Please contact Alcatel-Lucent support for assistance.		

Table 39-929 SoftwareDownloading

Alarm	Attributes	Applicable major releases
Name: SoftwareDownloading (109) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareDownloading (93)	Unspecified
<b>Description:</b> The alarm is raised when an NE begins to download software to a IOM or CPM card.		
<b>Remedial action:</b> Informational		

Table 39-930 SoftwareFailureAlarm

Alarm	Attributes	Applicable major releases
Name: SoftwareFailureAlarm (149) Type: softwareAlarm (19) Package: equipment Raised on class: equipment.ReplaceableUnit	Severity: critical Implicitly cleared: true Default probable cause: loadFailed (124)	Unspecified
<b>Description:</b> The alarm is raised when the CPM fails to load the software from the specified location. The alarm information includes the software location.		
<b>Remedial action:</b> The CPM card did not find the SW in the expected location. Reinstall the SW using 5620 SAM.		

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Table 39-931 SoftwareInitialized

Alarm	Attributes	Applicable major releases
Name: SoftwareInitialized (111) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareinitialized (95)	Unspecified
<b>Description:</b> The alarm is raised when software initialization on an IOM or CPM card completes.		
<b>Remedial action:</b> Informational		

Table 39-932 SoftwareInitializing

Alarm	Attributes	Applicable major releases
Name: SoftwareInitializing (110) Type: softwareAlarm (19) Package: sw Raised on class: sw.CardSoftware	Severity: warning Implicitly cleared: true Default probable cause: softwareinitializing (94)	Unspecified
<b>Description:</b> The alarm is raised when software initialization on an IOM or CPM card begins.		
<b>Remedial action:</b> Informational		

Table 39-933 SoftwareUpgradeDownloadFailed

Alarm	Attributes	Applicable major releases
Name: SoftwareUpgradeDownloadFailed (3695) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: linkFailure (740)	Unspecified
<b>Description:</b> This alarm is raised when the transfer of software scheduled by a Self Config policy fails due to communication problem (communication timeout, cable disconnected). It is automatically cleared before starting a new upgrade scheduled by a Self Config policy.		
<b>Remedial action:</b> Check what happened during the File Transfer. Possible issues: Loss of NE Connectivity, FTP daemon down, FTP credential issues		

**Table 39-934 SoftwareUpgradeOperationNotAttempted**

Alarm	Attributes	Applicable major releases
Name: SoftwareUpgradeOperationNotAttempted (1963) Type: communicationsAlarm (4) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: bsCommunicationOffline (904)	Unspecified
<b>Description:</b> This alarm is raised when the BS Communication State goes 'offline'. While BS communication state is 'offline' none of the Software Upgrade Operations can be attempted		
<b>Clearing condition:</b> (('bsCommunicationState' EQUAL 'omcManaged'))		
<b>Remedial action:</b> Release NEM sessions		

**Table 39-935 SonetSDHLoopback**

Alarm	Attributes	Applicable major releases
Name: SonetSDHLoopback (407) Type: configurationAlarm (11) Package: sonetequipment Raised on class: sonetequipment.SonetPortSpecifics	Severity: warning Implicitly cleared: true Default probable cause: sonetSDHLoopback (303)	Unspecified
<b>Description:</b> The alarm is raised when a loopback test is provisioned on a SONET/SDH port.		
<b>Remedial action:</b> Remove the loopback test from the SONET/SDH port.		

**Table 39-936 SONEventsProcessingDelayed**

Alarm	Attributes	Applicable major releases
Name: SONEventsProcessingDelayed (3874) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	Unspecified
<b>Description:</b> This alarm is raised when a SON events cannot be handled (CM session is running). It is automatically cleared.		
<b>Remedial action:</b> Informational only - self-correcting condition.		

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Table 39-937 sourceSapChange

Alarm	Attributes	Applicable major releases
Name: sourceSapChange (4813) Type: ConfigurationAlarm (15) Package: mirror Raised on class: mirror.SourceInterface	Severity: warning Implicitly cleared: false Default probable cause: tMirrorSourceSapChange (430)	Unspecified
<b>Description:</b> The alarm is raised when a SAP that is associated with this mirror source is modified or deleted.		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-938 SpbNbrMultAdjExists

Alarm	Attributes	Applicable major releases
Name: SpbNbrMultAdjExists (4394) Type: configurationAlarm (11) Package: spb Raised on class: spb.Site	Severity: major Implicitly cleared: true Default probable cause: multiAdj (1573)	Unspecified
<b>Description:</b> The alarm is sent when IS-IS SPB instance detects a neighbor to which it already has a direct adjacency on another interface.		
<b>Remedial action:</b> Check number of links to neighbor to make sure there is only one SPB link.		

Table 39-939 SpbRejectedAdjacency

Alarm	Attributes	Applicable major releases
Name: SpbRejectedAdjacency (4395) Type: adjacencyAlarm (31) Package: spb Raised on class: spb.AbstractInterface	Severity: minor Implicitly cleared: true Default probable cause: interfaceMismatch (170)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM receives a vRtrIsisRejectedAdjacency trap, which indicates that an adjacency cannot be established in response to a Hello PDU from an IS because of a lack of resources.		
<b>Remedial action:</b> Informational, might have exceeded the maximum number of adjacencies allowed.		



Table 39-940 SSHLoginMaxAttempts

Alarm	Attributes	Applicable major releases
Name: SSHLoginMaxAttempts (3702) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: false Default probable cause: sshLoginMaxAttempts (1441)	Unspecified
<b>Description:</b> The alarm is raised when the number of CLI login failures due incorrect user name or password using SSH session exceeds the configured value.		
<b>Remedial action:</b> Informational		

Table 39-941 StandbyVersionMismatch (equipment)

Alarm	Attributes	Applicable major releases
Name: StandbyVersionMismatch (1174) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: standbyVersionMismatch (875)	Unspecified
<b>Description:</b> The alarm is raised when a standby device software version mismatch is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-942 StandbyVersionMismatch (mpr)

Alarm	Attributes	Applicable major releases
Name: StandbyVersionMismatch (1174) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: standbyVersionMismatch (875)	Unspecified
<b>Description:</b> The alarm is raised when a standby device software version mismatch is detected.		
<b>Remedial action:</b> This alarm is raised when standby Software version on the MPT does not match the software version on the core. Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-943 StatsPollerProblem

Alarm	Attributes	Applicable major releases
Name: StatsPollerProblem (5404) Type: communicationsAlarm (4) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: resyncFailed (24)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM is unable to poll a network stats object, for example, because of intermittent or no IP connectivity to an NE, incorrect SNMP security parameters, or disabled SNMP on the NE.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand a) why the underlying transport network is unreliable or b) why the NE is too busy to respond to 5620 SAM or c) has SNMP been disabled on the NE. Once the issue has been resolved SAM will automatically re-attempt.		

Table 39-944 STMSysSystemMultiAuxAvailable

Alarm	Attributes	Applicable major releases
Name: STMSysSystemMultiAuxAvailable (527) Type: misConfiguration (53) Package: sas Raised on class: sas.TestManager	Severity: critical Implicitly cleared: false Default probable cause: multiAuxiliaryServersAvailable (399)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects multiple available auxiliary servers for test execution.		
<b>Remedial action:</b> Reserved for future use		

Table 39-945 STMSysSystemNotAvailable

Alarm	Attributes	Applicable major releases
Name: STMSysSystemNotAvailable (526) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TestManager	Severity: critical Implicitly cleared: false Default probable cause: noAuxiliaryServersAvailable (256)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects no available auxiliary servers for test execution.		
<b>Remedial action:</b> Reserved for future use		

Table 39-946 STMTesIdRangeMismatch

Alarm	Attributes	Applicable major releases
Name: STMTesIdRangeMismatch (792) Type: oamAlarm (18) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: true Default probable cause: testIdRangeMismatch (560)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects an STM test ID range mismatch between the primary and standby main servers.		
<b>Remedial action:</b> The configuration on the primary and standby servers must be aligned to resolve this problem. Please contact Alcatel-Lucent support for assistance.		

Table 39-947 STMTestsOutsideRange

Alarm	Attributes	Applicable major releases
Name: STMTestsOutsideRange (793) Type: oamAlarm (18) Package: sas Raised on class: sas.TestManager	Severity: major Implicitly cleared: false Default probable cause: testsOutsideRange (561)	Unspecified
<b>Description:</b> The alarm is raised when the 5620 SAM detects one or more STM Tests that have IDs outside the specified range.		
<b>Remedial action:</b> A configuration error has been made which must be corrected. The testId in a STM test definition must be within the testId range specified within the nms-server.xml file		

Table 39-948 subHostInconsistentAtmTdOvr

Alarm	Attributes	Applicable major releases
Name: subHostInconsistentAtmTdOvr (3685) Type: configurationAlarm (11) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: minor Implicitly cleared: false Default probable cause: tmnxSubHostInconsistentAtmTdOvr (1424)	Unspecified
<b>Description:</b> The alarm is raised when an AAA server (e.g. a RADIUS server) specifies an ATM Traffic Descriptor override for a subscriber host while it has already specified another one for another host on the same ATM Virtual Circuit.		
<b>Remedial action:</b> Modify the AAA configuration so that all subscriber hosts sharing the same ATM Virtual circuit use the same ATM Traffic Descriptor Override VSA. If different overrides are required, then the subscribers must be in different ATM Virtual Circuits.		

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Table 39-949 SubnetBindingFailed

Alarm	Attributes	Applicable major releases
Name: SubnetBindingFailed (4988) Type: processingErrorAlarm (81) Package: dhcp Raised on class: dhcp.AddressPool	Severity: major Implicitly cleared: false Default probable cause: tmnxDhcpSvrSubnetBindingFailed (2043)	Unspecified
<b>Description:</b> This alarm is raised when a DHCP server instance cannot offer an IP address to a host, because a subnet binding with its access node (service) is required but not available anymore in the pool.		
<b>Remedial action:</b> The configuration of the Local DHCP Server IP Address Pool and/or the access node (service) must be changed in order to make more subnets available.		

Table 39-950 SubnetFailCtrlError

Alarm	Attributes	Applicable major releases
Name: SubnetFailCtrlError (5156) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: major Implicitly cleared: false Default probable cause: leaseWithInconsistentFailoverConfiguration (2075)	Unspecified
<b>Description:</b> The alarm is raised each time a lease is created in a subnet with an inconsistent failover configuration		
<b>Remedial action:</b> A subnet lease has an inconsistent failover configuration, where the failover control type is not identical for all subnet ranges while the pool subnet binding key is not equal to 'none'. Please restore consistency of the failover control configuration for all subnet ranges in this subnet.		

Table 39-951 SubnetMinFreeExc

Alarm	Attributes	Applicable major releases
Name: SubnetMinFreeExc (516) Type: configurationAlarm (11) Package: dhcp Raised on class: dhcp.Subnet	Severity: warning Implicitly cleared: false Default probable cause: actualFreeAddrBelowSubnetMin (391)	Unspecified
<b>Description:</b> The alarm is raised when the actual number of free addresses in a subnet falls below the desired minimum number specified in the subnet configuration		
<b>Remedial action:</b> Please ensure that an adequate free address threshold is configured or create a new subnet to meet the system requirements. This warning is raised on IPv4 DHCP servers only.		

Table 39-952 SubnetMismatch

Alarm	Attributes	Applicable major releases
Name: SubnetMismatch (415) Type: configurationAlarm (11) Package: srrp Raised on class: srrp.Instance	Severity: major Implicitly cleared: true Default probable cause: ipAddressListMismatch (308)	Unspecified
<b>Description:</b> The alarm is raised when the IP address list received from the master does not match the local IP address list.		
<b>Remedial action:</b> Check the IP address of the Subscriber interface and make sure the address for the peer SRRP instances are in the same subnet.		

Table 39-953 SubRackBatteryFail

Alarm	Attributes	Applicable major releases
Name: SubRackBatteryFail (5426) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRack	Severity: variable Implicitly cleared: true Default probable cause: batteryFail (457)	Unspecified
<b>Description:</b> The alarm is raised when the battery fails or is missing on SubRack.		
<b>Remedial action:</b> The battery on the subrack should be replaced or re-installed.		

Table 39-954 SubRackSecondaryBatteryFail

Alarm	Attributes	Applicable major releases
Name: SubRackSecondaryBatteryFail (5427) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRack	Severity: variable Implicitly cleared: true Default probable cause: secondaryBatteryFail (1412)	Unspecified
<b>Description:</b> The alarm is raised when a secondary battery failure is detected on SubRack.		
<b>Remedial action:</b> The battery on the subrack should be replaced or re-installed.		

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Table 39-955 SubscrAuthPolicyMisconfigured (rtr)

Alarm	Attributes	Applicable major releases
Name: SubscrAuthPolicyMisconfigured (271) Type: ConfigurationAlarm (15) Package: rtr Raised on class: rtr.VirtualInterfaceConfiguration	Severity: warning Implicitly cleared: true Default probable cause: SubscrAuthPolicyNotFound (203)	Unspecified
<b>Description:</b> The alarm is raised when a subscriber authentication policy for DHCP relay is misconfigured.		
<b>Remedial action:</b> This alarm is raised on L2 and L3 access interfaces when the authentication policy specified for DHCP Relay does not exist. Please make sure to select an authentication policy that exists or to configure a new authentication policy with that name.		

Table 39-956 SubscrAuthPolicyMisconfigured (vpls)

Alarm	Attributes	Applicable major releases
Name: SubscrAuthPolicyMisconfigured (271) Type: ConfigurationAlarm (15) Package: vpls Raised on class: vpls.L2AccessItfDhcpRelayCfg	Severity: warning Implicitly cleared: true Default probable cause: SubscrAuthPolicyNotFound (203)	Unspecified
<b>Description:</b> The alarm is raised when a subscriber authentication policy for DHCP relay is misconfigured.		
<b>Remedial action:</b> Check the local and global configuration for the subscriber authentication policy for DHCP relay.		

Table 39-957 SubscriberMisConfigured

Alarm	Attributes	Applicable major releases
Name: SubscriberMisConfigured (8141) Type: configurationAlarm (11) Package: service Raised on class: service.SvcResourceReservation	Severity: warning Implicitly cleared: true Default probable cause: subscriberMisConfigured (2537)	Unspecified
<b>Description:</b> This alarm is raised when the customer associated with a route target reservation entry has been modified, i.e., the customer name can be changed, or the customer is deleted.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. This customer associated with the Reserved VPRN Route Target Table has been modified.		

Table 39-958 SubSlaacOverride

Alarm	Attributes	Applicable major releases
Name: SubSlaacOverride (5414) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: true Default probable cause: subSlaacAddressOverlap (2122)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that an IPv6 client requests a DHCPv6 non-temporary address (IA_NA) which overrides an existing SLAAC prefix that is assigned to a host. This configuration causes the SLAAC host to be removed from the system.		
<b>Remedial action:</b> Provide a non-overlapping IPv6 Address for the SLAAC host.		

Table 39-959 SubSlaacSetupFailure

Alarm	Attributes	Applicable major releases
Name: SubSlaacSetupFailure (3906) Type: processingErrorAlarm (81) Package: service Raised on class: service.ServiceAccessPoint	Severity: major Implicitly cleared: false Default probable cause: SubSlaacSetupFailure (1494)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot create or update a SLAAC host in the tmnxSubSlaacTable.		
<b>Remedial action:</b> The alarm is raised when an NE notifies SAM that it cannot create or update a SLAAC host in the tmnxSubSlaacTable. Verify the service configuration.		

Table 39-960 SubVirtualSubnetHostsDeleted

Alarm	Attributes	Applicable major releases
Name: SubVirtualSubnetHostsDeleted (5411) Type: configurationAlarm (11) Package: ressubscr Raised on class: ressubscr.ResidentialSubscriberInstance	Severity: warning Implicitly cleared: false Default probable cause: subVirtualSubnetHostsDeleted (2119)	Unspecified
<b>Description:</b> This alarm is raised when the NE deletes all existing hosts for a subscriber associated with a virtual subnet because a new default router and/or subnet were assigned. This is the consequence of a configuration change on the server that assigns the subnet.		
<b>Remedial action:</b> The hosts must transmit DHCP requests if they require a connection.		

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Table 39-961 svcArpHostPopulateErr

Alarm	Attributes	Applicable major releases
Name: svcArpHostPopulateErr (3909) Type: processingErrorAlarm (81) Package: service Raised on class: service.AccessInterface	Severity: major Implicitly cleared: false Default probable cause: svcArpHostPopulateError (1496)	Unspecified
<b>Description:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot update the ARP Host table upon reception of an ARP message.		
<b>Remedial action:</b> The alarm is raised when an NE notifies the 5620 SAM that it cannot update the ARP Host table upon reception of an ARP message. Verify the service configuration. Additionally, verify the length of the auto-generated subscriber identification.		

Table 39-962 svcFdbMimDestTableFull

Alarm	Attributes	Applicable major releases
Name: svcFdbMimDestTableFull (588) Type: resourceAlarm (28) Package: netw Raised on class: netw.NetworkElement	Severity: warning Implicitly cleared: true Default probable cause: resourceLimitReached (131)	Unspecified
<b>Description:</b> The alarm is raised when the number of backbone MAC address indices on an NE reaches the maximum allowed value. The alarm clears when the number of backbone MAC address indices on the NE falls below 95 percent of the maximum allowed value.		
<b>Remedial action:</b> Informational		

Table 39-963 SWIncompatibility

Alarm	Attributes	Applicable major releases
Name: SWIncompatibility (471) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.StackConfiguration	Severity: major Implicitly cleared: false Default probable cause: elementNotCompatibleWithExistingStack (357)	Unspecified
<b>Description:</b> The alarm is raised when a slot is not compatible with the current stack. The slot subsequently enters pass-through mode.		
<b>Remedial action:</b> Login to switch console, and install same software load on primary and secondary slot and synchronize them and reload switch.		



Table 39-964 SynchronizationLossOfSignal

Alarm	Attributes	Applicable major releases
Name: SynchronizationLossOfSignal (799) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Shelf	Severity: major Implicitly cleared: true Default probable cause: lossOfSignal (99)	Unspecified
<b>Description:</b> The alarm is raised when an SLOS signal is detected on a PDH tributary.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

Table 39-965 SyncCertFailed

Alarm	Attributes	Applicable major releases
Name: SyncCertFailed (3912) Type: equipmentAlarm (3) Package: sitesec Raised on class: sitesec.SiteSystemSecurityPublicKey	Severity: major Implicitly cleared: true Default probable cause: SyncCertFailed (1498)	Unspecified
<b>Description:</b> The alarm is raised when the synchronization of certificate files between the primary and secondary CPMs is stopped due to errors.		
<b>Remedial action:</b> The synchronization of certificate files between the primary and secondary CPMs is stopped due to errors. Depending on the reason specified, corrective action should be taken		

Table 39-966 synchroFailureAlarm

Alarm	Attributes	Applicable major releases
Name: synchroFailureAlarm (534) Type: softwareAlarm (19) Package: sw Raised on class: sw.SoftwareControlModule	Severity: major Implicitly cleared: false Default probable cause: synchroFailureAlarm (403)	Unspecified
<b>Description:</b> The alarm is raised when the flash card synchronization on an NE fails.		
<b>Remedial action:</b> The SW image on the NE may have been inadvertently corrupted. Download a new copy of the SW image to the NE. If the problem persists contact Alcatel-Lucent support for assistance.		

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Table 39-967 SynchronizationSignalFailure

Alarm	Attributes	Applicable major releases
Name: SynchronizationSignalFailure (2944) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: synchronizationSignalFailure (1134)	Unspecified
<b>Description:</b> The alarm is raised when a synchronization signal failure is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-968 SystemModeChange

Alarm	Attributes	Applicable major releases
Name: SystemModeChange (1923) Type: equipmentAlarm (3) Package: optical Raised on class: optical.OpticalNeProperties	Severity: major Implicitly cleared: false Default probable cause: systemModeChange (923)	Unspecified
<b>Description:</b> The alarm is raised when an NE undergoes a system mode change, for example, from SONET to SDH mode. The alarm information includes the Site ID, old system mode value and new system mode value.		
<b>Remedial action:</b> Informational. The alarm is raised when an NE undergoes a system mode change, for ex. from SONET to SDH mode.		

Table 39-969 TChipMemoryError

Alarm	Attributes	Applicable major releases
Name: TChipMemoryError (5183) Type: hardwareAnomaly (55) Package: equipment Raised on class: equipment.BaseCard	Severity: minor Implicitly cleared: true Default probable cause: tchipMemoryParityError (2099)	Unspecified
<b>Description:</b> This Alarm is raised when a T-chip experiences an occurrence of an internal memory parity error.		
<b>Remedial action:</b> A fault has been detected in the hardware. If the problem persists please contact Alcatel-Lucent support for assistance.		

Table 39-970 TemporaryCommunicationFailure

Alarm	Attributes	Applicable major releases
Name: TemporaryCommunicationFailure (800) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: temporaryCommunicationProblem (566)	Unspecified
<b>Description:</b> The alarm is raised when a temporary communication failure is detected.		
<b>Remedial action:</b> 5620 SAM has temporarily lost contact with an NE. This may have been caused by the NE restarting, the NE being taken off-line via operator intervention or by a loss of connectivity to the NE. If the NE restarted then there will be an alarm indicating th		

Table 39-971 TestFailedAlarm (atm)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-972 TestFailedAlarm (bgp)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

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Table 39-973 TestFailedAlarm (ethernetoam)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-974 TestFailedAlarm (ldp)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: ldp Raised on class: ldp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-975 TestFailedAlarm (lte)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when TestFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-976 TestFailedAlarm (Iteservice)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: Iteservice Raised on class: Iteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-977 TestFailedAlarm (mirror)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-978 TestFailedAlarm (monpath)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-979 TestFailedAlarm (mpls)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-980 TestFailedAlarm (mplstp)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-981 TestFailedAlarm (netw)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when TestFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-982 TestFailedAlarm (pim)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-983 TestFailedAlarm (rtr)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-984 TestFailedAlarm (service)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when TestFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 39-985 TestFailedAlarm (svt)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-986 TestFailedAlarm (vll)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-987 TestFailedAlarm (vpls)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vpls Raised on class: vpls.AbstractVpls	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		



Table 39-988 TestFailedAlarm (vprn)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm (3708) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-989 TestFailedAlarm2 (ethernetoam)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-990 TestFailedAlarm2 (lte)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when TestFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

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**Table 39-991 TestFailedAlarm2 (mpls)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-992 TestFailedAlarm2 (rtr)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-993 TestFailedAlarm2 (service)**

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when TestFailedAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-994 TestFailedAlarm2 (svt)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm2 (3739) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-995 TestFailedAlarm3 (mpls)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm3 (3886) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-996 TestFailedAlarm3 (service)

Alarm	Attributes	Applicable major releases
Name: TestFailedAlarm3 (3886) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object fails.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-997 TestFailureAlarm**

Alarm	Attributes	Applicable major releases
Name: TestFailureAlarm (3903) Type: oamAlarm (18) Package: sas Raised on class: sas.Test	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> This alarm is raised when a test failure trap is received from the node.		
<b>Remedial action:</b> Fix network connections issues.		

**Table 39-998 TestThresholdExceededAlarm (atm)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: atm Raised on class: atm.PvcConnection	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-999 TestThresholdExceededAlarm (bgp)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: bgp Raised on class: bgp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-1000 TestThresholdExceededAlarm (ethernetoam)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.MaintAssociation	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-1001 TestThresholdExceededAlarm (ldp)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: ldp Raised on class: ldp.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

**Table 39-1002 TestThresholdExceededAlarm (lte)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

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Table 39-1003 TestThresholdExceededAlarm (Iteservice)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: Iteservice Raised on class: Iteservice.MobileService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1004 TestThresholdExceededAlarm (mirror)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mirror Raised on class: mirror.Mirror	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1005 TestThresholdExceededAlarm (monpath)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: monpath Raised on class: monpath.MonitoredIpPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1006 TestThresholdExceededAlarm (mpls)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mpls Raised on class: mpls.Lsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1007 TestThresholdExceededAlarm (mplstp)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: mplstp Raised on class: mplstp.TPLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1008 TestThresholdExceededAlarm (netw)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: netw Raised on class: netw.NetworkElement	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 39-1009 TestThresholdExceededAlarm (pim)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: pim Raised on class: pim.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-1010 TestThresholdExceededAlarm (rtr)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: rtr Raised on class: rtr.VirtualRouter	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1011 TestThresholdExceededAlarm (service)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: service Raised on class: service.SpokeConnector	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		



Table 39-1012 TestThresholdExceededAlarm (svt)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: svt Raised on class: svt.Tunnel	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1013 TestThresholdExceededAlarm (vlan)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vlan Raised on class: vlan.Vlan	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1014 TestThresholdExceededAlarm (vll)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vll Raised on class: vll.Vll	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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**Table 39-1015 TestThresholdExceededAlarm (vpIs)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vpIs Raised on class: vpIs.AbstractVpIs	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1016 TestThresholdExceededAlarm (vprn)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm (1154) Type: oamAlarm (18) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1017 TestThresholdExceededAlarm2 (ethernetoam)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: ethernetoam Raised on class: ethernetoam.Mep	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1018 TestThresholdExceededAlarm2 (lte)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: lte Raised on class: lte.EPSPeer	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is un-reliable.		

Table 39-1019 TestThresholdExceededAlarm2 (mpls)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: mpls Raised on class: mpls.P2MPDynamicLsp	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1020 TestThresholdExceededAlarm2 (rtr)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: rtr Raised on class: rtr.LDPTunnelInterface	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

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Table 39-1021 TestThresholdExceededAlarm2 (service)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: service Raised on class: service.Site	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1022 TestThresholdExceededAlarm2 (svt)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm2 (1918) Type: oamAlarm (18) Package: svt Raised on class: svt.SdpBinding	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports that the test threshold has been exceeded.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

Table 39-1023 TestThresholdExceededAlarm3 (mpls)

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm3 (1919) Type: oamAlarm (18) Package: mpls Raised on class: mpls.LspPath	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when an OAM test on the object reports that a test threshold is exceeded.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1024 TestThresholdExceededAlarm3 (service)**

Alarm	Attributes	Applicable major releases
Name: TestThresholdExceededAlarm3 (1919) Type: oamAlarm (18) Package: service Raised on class: service.CompositeService	Severity: major Implicitly cleared: true Default probable cause: networkDegradation (204)	Unspecified
<b>Description:</b> The alarm is raised when SasThresholdExceededAlarm is raised for any test on this object.		
<b>Remedial action:</b> Informational - if the alarm persists or is occurring frequently then investigation is required to understand why the underlying transport network is unreliable.		

**Table 39-1025 ThresholdCrossingAlarmCard**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmCard (2097) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.BaseCard	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when a card value crosses a TCA threshold.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

**Table 39-1026 ThresholdCrossingAlarmOduk**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmOduk (4949) Type: thresholdCrossed (6) Package: oth Raised on class: oth.Oduk	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when a ODUK value crosses a TCA threshold.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

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Table 39-1027 ThresholdCrossingAlarmOtuk

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmOtuk (4950) Type: thresholdCrossed (6) Package: oth Raised on class: oth.Otuk	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when a OTUK value crosses a TCA threshold.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 39-1028 ThresholdCrossingAlarmPort

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingAlarmPort (2098) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PhysicalPort	Severity: warning Implicitly cleared: false Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when a port value crosses a TCA threshold.		
<b>Remedial action:</b> A condition set when a counter exceeds a user-selected high or low threshold. A TCA does not generate an alarm but is available on demand through the CIT. Please refer 1830 PSS TroubleShooting guide for more details.		

Table 39-1029 ThresholdCrossingMDAResvCBSAlarm

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingMDAResvCBSAlarm (3626) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.DaughterCard	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when the reserved CBS of an MDA crosses a threshold.		
<b>Remedial action:</b> This alarm is raised when the traffic rates being received on an MDA are exceeding the amount of buffer allocated for the MDA in the committed burst size configuration parameter. In all probability the QoS being delivered by the MDA is degraded. Steps must be taken to shed traffic from the ports/links associated with the MDA.		

**Table 39-1030 ThresholdCrossingPortResvCBSAlarm**

Alarm	Attributes	Applicable major releases
Name: ThresholdCrossingPortResvCBSAlarm (3627) Type: thresholdCrossed (6) Package: equipment Raised on class: equipment.PhysicalPort	Severity: variable Implicitly cleared: true Default probable cause: thresholdCrossed (12)	Unspecified
<b>Description:</b> The alarm is raised when the reserved CBS of a port crosses a threshold.		
<b>Remedial action:</b> This alarm is raised when the traffic rates being received on a port are exceeding the amount of buffer allocated for the port in the committed burst size configuration parameter. In all probability the QoS being delivered by the port is degraded. Steps must be taken to shed traffic from the port in question..		

**Table 39-1031 TimeRefDisqualified**

Alarm	Attributes	Applicable major releases
Name: TimeRefDisqualified (8072) Type: communicationsAlarm (4) Package: netw Raised on class: netw.Time	Severity: info Implicitly cleared: true Default probable cause: TimeRefDisqualified (2474)	Unspecified
<b>Description:</b> The alarm is raised when a system time input reference is disqualified.		
<b>Remedial action:</b> Informational- no corrective action required.		

**Table 39-1032 TimeRefSelect**

Alarm	Attributes	Applicable major releases
Name: TimeRefSelect (8073) Type: communicationsAlarm (4) Package: netw Raised on class: netw.TimeSource	Severity: info Implicitly cleared: false Default probable cause: TimeRefSelect (2475)	Unspecified
<b>Description:</b> The alarm is raised when a system time input reference is selected.		
<b>Remedial action:</b> Informational - no corrective action required.		

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Table 39-1033 TimingHoldover

Alarm	Attributes	Applicable major releases
Name: TimingHoldover (734) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: major Implicitly cleared: true Default probable cause: timingHoldover (511)	Unspecified
<b>Description:</b> The alarm is raised when the timing of an NE is in the Holdover state.		
<b>Raising condition:</b> (('Status' EQUAL 'Master Holdover'))		
<b>Clearing condition:</b> (('Status' NOT EQUAL 'Master Holdover'))		
<b>Remedial action:</b> Informational only.		

Table 39-1034 TimingReferenceOneNotQualified

Alarm	Attributes	Applicable major releases
Name: TimingReferenceOneNotQualified (545) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	Unspecified
<b>Description:</b> The alarm is raised when Timing Reference One on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that Timing Reference One is qualified.		

Table 39-1035 TimingReferenceTwoNotQualified

Alarm	Attributes	Applicable major releases
Name: TimingReferenceTwoNotQualified (546) Type: communicationsAlarm (4) Package: sonet Raised on class: sonet.SiteSync	Severity: minor Implicitly cleared: true Default probable cause: timingReferenceNotQualified (418)	Unspecified
<b>Description:</b> The alarm is raised when Timing Reference Two on an NE is not in the Qualified state.		
<b>Raising condition:</b> (('Qualified For Use' EQUAL 'Not Qualified') AND ('Administrative State' NOT EQUAL 'Down'))		
<b>Clearing condition:</b> (('Qualified For Use' NOT EQUAL 'Not Qualified') OR ('Administrative State' EQUAL 'Down'))		
<b>Remedial action:</b> Make sure that Timing Reference Two is qualified.		



Table 39-1036 TMNLossofSignal

Alarm	Attributes	Applicable major releases
Name: TMNLossofSignal (1920) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.MprTMN	Severity: variable Implicitly cleared: true Default probable cause: tmnLOS (920)	Unspecified
<b>Description:</b> The alarm is raised when a Loss of Signal occurs on the TMN Interface.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1037 tmnxMcSyncClientAlarm

Alarm	Attributes	Applicable major releases
Name: tmnxMcSyncClientAlarm (423) Type: communicationsAlarm (4) Package: multichassis Raised on class: multichassis.PeerSynchronizationProtocol	Severity: warning Implicitly cleared: true Default probable cause: locallyDeletedEntryInMCSyncDatabase (407)	Unspecified
<b>Description:</b> The alarm is raised when a MC synchronization database entry is deleted locally.		
<b>Remedial action:</b> Informational only.		

Table 39-1038 TooManyCpaaPerIsisArea

Alarm	Attributes	Applicable major releases
Name: TooManyCpaaPerIsisArea (385) Type: configurationAlarm (11) Package: topology Raised on class: topology.Cpaa	Severity: critical Implicitly cleared: true Default probable cause: tooManyCpaaPelsisArea (930)	Unspecified
<b>Description:</b> The alarm is raised when there are too many 7701 CPAA's for an ISIS L1 area.		
<b>Remedial action:</b> Check the configuration of CPAA and make sure there is at most one CPAA configured for an ISIS area within an administrative domain.		

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Table 39-1039 TopologyIsisSystemError

Alarm	Attributes	Applicable major releases
Name: TopologyIsisSystemError (373) Type: topologyAlarm (34) Package: topology Raised on class: topology.AutonomousSystem	Severity: major Implicitly cleared: true Default probable cause: isisSystemNotAdvertisingTeRouterId (272)	Unspecified
<b>Description:</b> The alarm is raised when an IS-IS topology system error is detected.		
<b>Remedial action:</b> Alarm contains the systemId of the router which is not advertising ISIS TE RouterId. User should either configure the ISIS TE routerId on the node or configure a routerId for that system in "ISIS System ID Mapping" menu. Configuring the routerId in systemId mapping will not clear the alarm.		

Table 39-1040 TopologyMisconfigured

Alarm	Attributes	Applicable major releases
Name: TopologyMisconfigured (95) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: critical Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
<b>Description:</b> This alarm is raised when service sites are not fully connected.		
<b>Raising condition:</b> ('topologyMisconfigured' EQUAL 'true')		
<b>Clearing condition:</b> ('topologyMisconfigured' EQUAL 'false')		
<b>Remedial action:</b> Connect the service sites with SDP Bindings, Vlan Uplinks, or PBB tunnels.		

Table 39-1041 TPSAbnormalState

Alarm	Attributes	Applicable major releases
Name: TPSAbnormalState (3935) Type: tpsAbnormalConditionAlarm (115) Package: mpr Raised on class: mpr.MPRProtection	Severity: variable Implicitly cleared: true Default probable cause: TPSProblem (1518)	Unspecified
<b>Description:</b> The alarm is raised when abnormal state resulted due to force switch/lockout operation in TPS mode.		
<b>Remedial action:</b> This alarm is raised when forced-switch/lockout command in TPS mode which led to an abnormal condition.		

Table 39-1042 TrailDegrade

Alarm	Attributes	Applicable major releases
Name: TrailDegrade (8101) Type: communicationsAlarm (4) Package: optical Raised on class: optical.Trail	Severity: major Implicitly cleared: true Default probable cause: ProtectionDegrade (2499)	Unspecified
<b>Description:</b> The alarm is raised when either Trail Path of Protected Trail is Operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on APS Group's work and protect TPs to understand why trail protection is degraded.		

Table 39-1043 TrailPathDown

Alarm	Attributes	Applicable major releases
Name: TrailPathDown (5128) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TrailPath	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the trail path are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-1044 TrailSignalFail

Alarm	Attributes	Applicable major releases
Name: TrailSignalFail (798) Type: communicationsAlarm (4) Package: bundle Raised on class: bundle.Interface	Severity: major Implicitly cleared: true Default probable cause: trailSignalFailure (565)	Unspecified
<b>Description:</b> The alarm is raised when a local or remote failure in an IMA group generates a Trail Signal Fail message.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

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Table 39-1045 TransportServerFailure

Alarm	Attributes	Applicable major releases
Name: TransportServerFailure (8104) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TransportService	Severity: critical Implicitly cleared: true Default probable cause: UnderlyingServerDown (2502)	Unspecified
<b>Description:</b> The alarm is raised when any of the server trails in the service is operationally down		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on Server Trails to understand why transport service protection is unreliable.		

Table 39-1046 TransportServiceDegrade

Alarm	Attributes	Applicable major releases
Name: TransportServiceDegrade (8105) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TransportService	Severity: major Implicitly cleared: true Default probable cause: ProtectionDegrade (2499)	Unspecified
<b>Description:</b> The alarm is raised when either work or protect path of Protected Transport Service is operationally down		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on APS Group's work and protect TPs to understand why transport service protection is degraded.		

Table 39-1047 TransportServiceDown

Alarm	Attributes	Applicable major releases
Name: TransportServiceDown (2906) Type: communicationsAlarm (4) Package: optical Raised on class: optical.TransportService	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when: 1. The termination point(s) or VTS XC's of the service path(s) are operationally down. 2. There are missing VTS XCs in any of the service path(s) of this transport service.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-1048 TransportServicePathDown

Alarm	Attributes	Applicable major releases
Name: TransportServicePathDown (4402) Type: communicationsAlarm (4) Package: optical Raised on class: optical.ServicePath	Severity: critical Implicitly cleared: true Default probable cause: OperationalStateDown (1963)	Unspecified
<b>Description:</b> The alarm is raised when the termination point(s) of the service path are operationally down.		
<b>Remedial action:</b> Informational - If the alarm persists or is occurring frequently then investigation is required by looking at the active alarms on the hops to understand why the underlying transport network is unreliable.		

Table 39-1049 TunnelOverbooked

Alarm	Attributes	Applicable major releases
Name: TunnelOverbooked (590) Type: resourceAlarm (28) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: false Default probable cause: tunnelOverbooked (442)	Unspecified
<b>Description:</b> The alarm is raised when the allocated SDP binding bandwidth specified by sdpBookedBandwidth exceeds the sdpMaxBookableBandwidth value.		
<b>Clearing condition:</b> ('SDP Available Bandwidth' NOT EQUAL '0')		
<b>Remedial action:</b> Please set the maximum bookable bandwidth parameter to a more appropriate value or offload traffic from the SDP in question to another SDP.		

Table 39-1050 TunnelSelBlacklistFull

Alarm	Attributes	Applicable major releases
Name: TunnelSelBlacklistFull (4626) Type: processingErrorAlarm (81) Package: l2tp Raised on class: l2tp.Site	Severity: major Implicitly cleared: true Default probable cause: tmnxL2tpTunnelSelBlacklistFull (1894)	Unspecified
<b>Description:</b> This alarm is raised when the number of tunnels and peers in the tunnel-selection-blacklist reaches the limit configured on the L2TP Site, and is cleared when the limit is no longer reached.		
<b>Remedial action:</b> Either increase Max List Length in Tunnel Selection Blacklist configuration or fix blacklisted tunnels or peers.		

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Table 39-1051 TwampReflectorAlarm

Alarm	Attributes	Applicable major releases
Name: TwampReflectorAlarm (8138) Type: oamAlarm (18) Package: sas Raised on class: sas.TWLSession	Severity: info Implicitly cleared: true Default probable cause: missingTwlReflectorConfiguration (2534)	Unspecified
<b>Description:</b> This alarm is raised when a Twamp-Light Session is configured without a matching Reflector Prefix.		
<b>Remedial action:</b> This alarm is raised when a Twamp-Light Session is configured without a matching Reflector Prefix.		

Table 39-1052 TwampSrvInactivityTimeout

Alarm	Attributes	Applicable major releases
Name: TwampSrvInactivityTimeout (3319) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerInactivityTimeout (1158)	Unspecified
<b>Description:</b> The alarm is raised when a TWAMP control connection is disconnected by the TWAMP server due to the connection being inactive for a period exceeding the server's inactivity timeout, which generates a TWAMP Server InactivityTimeout notification.		
<b>Remedial action:</b> Verify the value of the inactivity-timeout parameter and modify it according to the operational needs.		

Table 39-1053 TwampSrvMaxConnsExceeded

Alarm	Attributes	Applicable major releases
Name: TwampSrvMaxConnsExceeded (3320) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerMaxConnsExceeded (1159)	Unspecified
<b>Description:</b> The alarm is raised when the maximum number of concurrent TWAMP control connections for the server has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected connection. [RECOVERY] Configure the system-level maximum number of concurrent TWAMP control connections to a larger value, or disconnect any TWAMP control connection.'		
<b>Remedial action:</b> Verify the value of the max-conn-server parameter and modify it according to the operational needs.		

Table 39-1054 TwampSrvMaxSessExceeded

Alarm	Attributes	Applicable major releases
Name: TwampSrvMaxSessExceeded (3321) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerMaxSessExceeded (1160)	Unspecified
<b>Description:</b> The alarm is raised when the maximum number of concurrent TWAMP sessions for the server has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected session. [RECOVERY] Configure the system-level maximum number of concurrent TWAMP sessions to a larger value, or disconnect any TWAMP session.'		
<b>Remedial action:</b> Verify the max-sess-server parameter and modify it according to the operational needs.		

Table 39-1055 TwampSrvPfxMaxConnsExceeded

Alarm	Attributes	Applicable major releases
Name: TwampSrvPfxMaxConnsExceeded (3322) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerPrefixMaxConnsExceeded (1161)	Unspecified
<b>Description:</b> The alarm is raised when the maximum number of concurrent TWAMP control connections for a TWAMP client prefix has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected connection. [RECOVERY] Configure the prefix's maximum number of concurrent TWAMP control connections to a larger value, or disconnect a TWAMP control connection which uses the prefix.		
<b>Remedial action:</b> Verify the max-conn-prefix parameter and modify it according to the operational needs.		

Table 39-1056 TwampSrvPfxMaxSessExceeded

Alarm	Attributes	Applicable major releases
Name: TwampSrvPfxMaxSessExceeded (3323) Type: communicationsAlarm (4) Package: sas Raised on class: sas.TwampSrv	Severity: major Implicitly cleared: true Default probable cause: TWAMPServerPrefixMaxSessExceeded (1162)	Unspecified
<b>Description:</b> The alarm is raised when the maximum number of concurrent TWAMP sessions for a TWAMP client prefix has been reached. [EFFECT] The TWAMP client cannot request test runs on the rejected session. [RECOVERY] Configure the prefix's maximum number of concurrent TWAMP sessions to a larger value, or disconnect a TWAMP session which uses the prefix.'		
<b>Remedial action:</b> Verify the max sess-prefix parameter and modify it according to the operational needs.		

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Table 39-1057 TxFail

Alarm	Attributes	Applicable major releases
Name: TxFail (1175) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: txFail (876)	Unspecified
<b>Description:</b> The alarm is raised when a transmission failure is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1058 TxFailure

Alarm	Attributes	Applicable major releases
Name: TxFailure (3931) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: true Default probable cause: txFail (876)	Unspecified
<b>Description:</b> The alarm is raised when a txFail (a fail of the Tx subfunction) defect raise.		
<b>Remedial action:</b> The alarm is raised when a txFail (a fail of the Tx subfunction) defect raise.		

Table 39-1059 TxRetransmit

Alarm	Attributes	Applicable major releases
Name: TxRetransmit (266) Type: communicationsAlarm (4) Package: ospf Raised on classes: <ul style="list-style-type: none"> <li>ospf.ShamLink</li> <li>ospf.VirtualLink</li> </ul>	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> <li>hello</li> <li>dbDescript</li> <li>IsReq</li> <li>IsUpdate</li> <li>IsAck</li> <li>nullPacket</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE retransmits an OSPF packet on a non-virtual interface. The alarm information includes the NE ID of the OSPF neighbor.		
<b>Remedial action:</b> Informational - an NE retransmits an OSPF packet on a non-virtual interface. The alarm information includes the NE ID of the OSPF neighbor.		



Table 39-1060 TypeMismatch

Alarm	Attributes	Applicable major releases
Name: TypeMismatch (96) Type: configurationAlarm (11) Package: service Raised on class: service.Service	Severity: critical Implicitly cleared: true Default probable cause: serviceSiteTypeMisconfigured (82)	Unspecified
<b>Description:</b> The alarm is raised when a VLAN type for a Site doesn't match what has been configured on the Service.		
<b>Raising condition:</b> ('serviceTypeInconsistent' EQUAL 'true')		
<b>Clearing condition:</b> ('serviceTypeInconsistent' EQUAL 'false')		
<b>Remedial action:</b> Configure the VLAN subtype on the site same as the service VLAN subtype.		

Table 39-1061 UDPPortAssignmentProblem

Alarm	Attributes	Applicable major releases
Name: UDPPortAssignmentProblem (8026) Type: processingErrorAlarm (81) Package: lte Raised on class: lte.CallTraceSessionManager	Severity: warning Implicitly cleared: true Default probable cause: configurationOrCustomizationError (902)	Unspecified
<b>Description:</b> This alarm is raised when a NE's TCE UDP port cannot be updated.		
<b>Remedial action:</b> Ensure the NE is managed, reachable and that no configuration operation is in progress on that NE and relaunch the operation.		

Table 39-1062 UnavailableTime

Alarm	Attributes	Applicable major releases
Name: UnavailableTime (644) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: unavailableTime (480)	Unspecified
<b>Description:</b> The alarm is raised when a port experiences 10 consecutive SES.		
<b>Remedial action:</b> One of the following conditions exists on the referenced physical interface which must be corrected. A cable/fiber fault exists which must be corrected - check to ensure that the cable is not faulty and is properly connected. The port is faulty - run diagnostics on the port to determine the nature of the fault. If the problem cannot be resolved swap the card containing the port with a card which is known be functional.		

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Table 39-1063 UnconfiguredEquipmentPresent

Alarm	Attributes	Applicable major releases
Name: UnconfiguredEquipmentPresent (645) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: unconfiguredEquipmentPresent (481)	Unspecified
<b>Description:</b> The alarm is raised when unconfigured equipment is detected.		
<b>Remedial action:</b> A configuration error has occurred which must be corrected. The card slot has not been configured		

Table 39-1064 UndefinedSchedulerReference

Alarm	Attributes	Applicable major releases
Name: UndefinedSchedulerReference (118) Type: configurationAlarm (11) Package: vs Raised on class: vs.ServiceTypeDefinition	Severity: warning Implicitly cleared: true Default probable cause: undefinedSchedulerReference (101)	Unspecified
<b>Description:</b> The alarm is raised when a queue specified in the access ingress or access egress policy of an L2 access interface is not referenced by the scheduler policy for the interface.		
<b>Raising condition:</b> (('numberReferences' > '0') AND ('numberOfDefinitions' EQUAL '0'))		
<b>Clearing condition:</b> (('numberReferences' EQUAL '0') OR ('numberOfDefinitions' > '0'))		
<b>Remedial action:</b> A queue specified in the access ingress/egress policy used by an L2 access interface is not referencing a scheduler policy. Ensure all required queues created in the access ingress/egress policy is referencing a scheduler.		

Table 39-1065 UnderlyingResourceDegrade

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceDegrade (1176) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceDegrade (877)	Unspecified
<b>Description:</b> The alarm is raised when degradation of an underlying radio interface resource is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1066 UnderlyingResourceUnavailable

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceUnavailable (1131) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceUnavailable (724)	Unspecified
<b>Description:</b> The alarm is raised when an underlying resource is unavailable on an E1, radio, or Ethernet interface.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1067 UnderlyingResourceUnavailableService

Alarm	Attributes	Applicable major releases
Name: UnderlyingResourceUnavailableService (1177) Type: communicationsAlarm (4) Package: equipment Raised on class: equipment.Port	Severity: variable Implicitly cleared: true Default probable cause: underlyingResourceUnavailableService (878)	Unspecified
<b>Description:</b> The alarm is raised when an underlying E1, radio, or Ethernet interface resource service is unavailable.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1068 UnmanagedMplsTpSDPTunnelSite

Alarm	Attributes	Applicable major releases
Name: UnmanagedMplsTpSDPTunnelSite (8147) Type: configurationAlarm (11) Package: svt Raised on class: svt.Tunnel	Severity: warning Implicitly cleared: true Default probable cause: unmanagedMplsTpSDPTunnelSite (2543)	Unspecified
<b>Description:</b> The alarm is raised when the MPLS-TP SDP Tunnel has configured with a non-managed site.		
<b>Remedial action:</b> Investigation is required to resolve the following possible scenarios: The far-end site at the MPLS-TP SDP Tunnel is non-managed Site. Please start to manage the NE with SAM or change the far-end site id to a correct MPLS-TP site at MPLS-TP SDP Tunnel form.		

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Table 39-1069 UnresolvedVirtualPortConfiguration

Alarm	Attributes	Applicable major releases
Name: UnresolvedVirtualPortConfiguration (4908) Type: virtualPortAlarm (133) Package: dctr Raised on class: dctr.AbstractVirtualPort	Severity: minor Implicitly cleared: true Default probable cause: UnableToResolveNetworkConfiguration (1965)	Unspecified
<b>Description:</b> The alarm is raised when VSD was not able to resolve network configuration for this virtual port. The virtual port will not be assigned an ip address and there is no service associated with it.		
<b>Raising condition:</b> (('Active' EQUAL 'true') AND ('Resolved State' EQUAL 'false'))		
<b>Clearing condition:</b> (('Active' EQUAL 'false') OR ('Resolved State' EQUAL 'true'))		
<b>Remedial action:</b> This alarm can be cleared when VSD is able to resolve the network configuration of the virtual port. This notification reports that VSD cannot assign service objects to this virtual port. This could be one or more of the domain, zone, subnet, user, or permission are missing, mismatched or not properly configured in VSD. Please make sure the settings in VSD are correct for this virtual port.		

Table 39-1070 UpgradeApplicationLockNotObtained

Alarm	Attributes	Applicable major releases
Name: UpgradeApplicationLockNotObtained (1964) Type: integrityViolation (85) Package: lte Raised on class: lte.ENBEquipment	Severity: warning Implicitly cleared: true Default probable cause: UnableToAcquireLock (949)	Unspecified
<b>Description:</b> This alarm is raised when the Software Upgrade Application is unable to acquire lock to start the operation. Retry the Software Upgrade Operation once the lock is released by the other application.		
<b>Remedial action:</b> Retry the Software Management Operation once the lock is released by the other application.		

Table 39-1071 VersionMismatch (equipment)

Alarm	Attributes	Applicable major releases
Name: VersionMismatch (646) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.Equipment	Severity: variable Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
<b>Description:</b> The alarm is raised when an ODU software version mismatch is detected.		
<b>Remedial action:</b> Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1072 VersionMismatch (mpr)

Alarm	Attributes	Applicable major releases
Name: VersionMismatch (646) Type: equipmentAlarm (3) Package: mpr Raised on class: mpr.SubRackElements	Severity: variable Implicitly cleared: true Default probable cause: versionMismatch (405)	Unspecified
<b>Description:</b> The alarm is raised when an ODU software version mismatch is detected.		
<b>Remedial action:</b> This alarm is raised when the software version on the MPT does not match the software version on the core. Please refer 9500 Node Maintenance manual for remedial action information.		

Table 39-1073 VirtualLinkDbDescriptAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDbDescriptAuthFailure (61) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>authTypeMismatch</li> <li>authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-1074 VirtualLinkDbDescriptConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkDbDescriptConfig (55) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a dbDescript packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a dbDescript packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-1075 VirtualLinkHelloAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkHelloAuthFailure (60) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-1076 VirtualLinkHelloConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkHelloConfig (54) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a hello packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a hello packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-1077 VirtualLinkLsAckAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkLsAckAuthFailure (64) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an lsAck packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a lsAck packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-1078 VirtualLinkIsAckConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkIsAckConfig (58) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsAck packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsAck packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-1079 VirtualLinkIsReqAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkIsReqAuthFailure (62) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		



Table 39-1080 VirtualLinkIsReqConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkIsReqConfig (56) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsReq packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-1081 VirtualLinkIsUpdateAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkIsUpdateAuthFailure (63) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an IsReq packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a IsUpdate packet has been received on a virtual link from the network whose authentication key or authentication type conflicts with the local NE's configuration.		

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Table 39-1082 VirtualLinkLsUpdateConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkLsUpdateConfig (57) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives an LsUpdate packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a LsUpdate packet has been received on a virtual link from the network whose configuration parameters conflict with the local NE's configurations.		

Table 39-1083 VirtualLinkNullPacketAuthFailure

Alarm	Attributes	Applicable major releases
Name: VirtualLinkNullPacketAuthFailure (65) Type: authenticationAlarm (14) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: authTypeMismatch (45) Applicable probable causes: <ul style="list-style-type: none"> <li>• authTypeMismatch</li> <li>• authFailure</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a virtual link from an NE whose authentication key or authentication type conflicts with the local NE authentication key or authentication type.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a virtual link which authentication key or authentication type conflicts with the local NE's configuration.		

Table 39-1084 VirtualLinkNullPacketConfig

Alarm	Attributes	Applicable major releases
Name: VirtualLinkNullPacketConfig (59) Type: configurationAlarm (11) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: badVersion (35) Applicable probable causes: <ul style="list-style-type: none"> <li>• badVersion</li> <li>• areaMismatch</li> <li>• unknownNbmaNbr</li> <li>• unknownVirtualNbr</li> <li>• netMaskMismatch</li> <li>• helloIntervalMismatch</li> <li>• deadIntervalMismatch</li> <li>• optionMismatch</li> <li>• mtuMismatch</li> <li>• noError</li> <li>• duplicateRouterId</li> <li>• ifAdminDown</li> <li>• ifPassive</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE receives a null packet on a virtual link from an NE whose configuration parameters conflict with the local NE configuration parameters.		
<b>Remedial action:</b> Informational - The alarm signifies that a null packet has been received on a virtual link which configuration parameters conflict with the local NE's configurations.		

Table 39-1085 VirtualLinkRxBadPacket

Alarm	Attributes	Applicable major releases
Name: VirtualLinkRxBadPacket (66) Type: communicationsAlarm (4) Package: ospf Raised on class: ospf.VirtualLink	Severity: warning Implicitly cleared: false Default probable cause: hello (47) Applicable probable causes: <ul style="list-style-type: none"> <li>• hello</li> <li>• dbDescript</li> <li>• lsReq</li> <li>• lsUpdate</li> <li>• lsAck</li> <li>• nullPacket</li> </ul>	Unspecified
<b>Description:</b> The alarm is raised when an NE cannot parse an OSPF packet that it receives on a virtual interface.		
<b>Remedial action:</b> Informational - an NE cannot parse an OSPF packet that it receives on a virtual interface.		

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Table 39-1086 VirtualMachineDown

Alarm	Attributes	Applicable major releases
Name: VirtualMachineDown (4909) Type: vmAlarm (134) Package: dctr Raised on class: dctr.VirtualMachine	Severity: info Implicitly cleared: true Default probable cause: VirtualMachineShutDownOrDeletedOrCrashed (1966)	Unspecified
<b>Description:</b> The alarm is raised when VM is shutdown.		
<b>Remedial action:</b> This alarm can be cleared when virtual machine is up.		

Table 39-1087 VirtualMachineSuspended

Alarm	Attributes	Applicable major releases
Name: VirtualMachineSuspended (4911) Type: vmAlarm (134) Package: dctr Raised on class: dctr.VirtualMachine	Severity: info Implicitly cleared: true Default probable cause: UserInitiatedOrRequiredResourceIdBeingBlocked (1968)	Unspecified
<b>Description:</b> The alarm is raised when VM state changes to Paused on this object.		
<b>Raising condition:</b> (('Virtual Machine State' EQUAL 'Paused'))		
<b>Clearing condition:</b> (('Virtual Machine State' NOT EQUAL 'Paused'))		
<b>Remedial action:</b> This alarm can be cleared when the virtual machine is resumed.		

Table 39-1088 VirtualPortDown

Alarm	Attributes	Applicable major releases
Name: VirtualPortDown (5434) Type: virtualPortAlarm (133) Package: dctr Raised on class: dctr.AbstractVirtualPort	Severity: info Implicitly cleared: true Default probable cause: VirtualPortDownOrDeleted (2135)	Unspecified
<b>Description:</b> The alarm is raised when VP is shutdown.		
<b>Remedial action:</b> This alarm can be cleared when virtual port is up.		

Table 39-1089 VirtualRouterDown

Alarm	Attributes	Applicable major releases
Name: VirtualRouterDown (277) Type: configurationAlarm (11) Package: vrrp Raised on class: vrrp.VrrpVirtualRouter	Severity: major Implicitly cleared: true Default probable cause: virtualRouterDown (210)	Unspecified
<b>Description:</b> The alarm is raised when the aggregated Operational State of a VR is Down.		
<b>Raising condition:</b> (('Aggregated Operational State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Aggregated Operational State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Check the configuration of both VRRP instances for the VRRP virtual router.		

Table 39-1090 VirtualSwitchControllerDown

Alarm	Attributes	Applicable major releases
Name: VirtualSwitchControllerDown (4912) Type: virtualSwitchControllerAlarm (135) Package: dctr Raised on class: dctr.VirtualSwitchController	Severity: major Implicitly cleared: true Default probable cause: ControllerNotOperationallyUp (1969)	Unspecified
<b>Description:</b> The alarm is raised when Virtual Switch Controller is not operationally up.		
<b>Raising condition:</b> (('Operational State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Operational State' EQUAL 'Up'))		
<b>Remedial action:</b> This alarm can be cleared when virtual switch controller is operationally up.		

Table 39-1091 VirtualSwitchDown

Alarm	Attributes	Applicable major releases
Name: VirtualSwitchDown (4913) Type: virtualSwitchAlarm (136) Package: dctr Raised on class: dctr.AbstractVirtualSwitchGlobal	Severity: major Implicitly cleared: true Default probable cause: ControllerDownOrPhysicalPortDownOrInterfaceDown (1970)	Unspecified
<b>Description:</b> The alarm is raised when Openflow session to the virtual switch is lost.		
<b>Remedial action:</b> This alarm can be cleared when virtual switch is operationally up.		

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Table 39-1092 VirtualSwitchIpAddressDuplicated

Alarm	Attributes	Applicable major releases
Name: VirtualSwitchIpAddressDuplicated (5435) Type: virtualSwitchAlarm (136) Package: dctr Raised on class: dctr.AbstractVirtualSwitchGlobal	Severity: critical Implicitly cleared: false Default probable cause: VirtualSwitchIpAddressMisConfiguration (2136)	Unspecified
<b>Description:</b> The alarm is raised when more than one virtual switches in the same domain have the same ip address. Virtual switches that are not belong or have not been associated to any domain are considered to be in 'undefined' domain.		
<b>Remedial action:</b> This might have caused by a network configuration. Please check the status of the Admin Domain and/or the Virtual Switch ip address and controller state. Please make sure the CPAA is managed, Admin Domain is operational, then unmanage the node with duplicate virtual switch ip address and remanage it again. This alarm must be cleared manually.		

Table 39-1093 VirtVpnBGPPrefixConflict

Alarm	Attributes	Applicable major releases
Name: VirtVpnBGPPrefixConflict (5431) Type: virtualPortAlarm (133) Package: dctr Raised on class: dctr.VirtualPort	Severity: major Implicitly cleared: true Default probable cause: DuplicateVswNextHop_VmExistsOnTwoLocations (2132)	Unspecified
<b>Description:</b> The alarm is raised when routes or service context could be stuck in compute or the network.		
<b>Remedial action:</b> Routes or service context could be stuck in compute or the network. Reapply compute or network policies to reset the network attachment.		

Table 39-1094 VirtVpnBGPPrefixUnreachable

Alarm	Attributes	Applicable major releases
Name: VirtVpnBGPPrefixUnreachable (5432) Type: virtualPortAlarm (133) Package: dctr Raised on class: dctr.VirtualPort	Severity: major Implicitly cleared: true Default probable cause: VportCannotBeReachedFromBgpVpn (2133)	Unspecified
<b>Description:</b> The alarm is raised when there is no route for the VPN regardless of routing on the virtual port.		
<b>Remedial action:</b> There is no route for the VPN regardless of routing on the virtual port. This may be an RR/VSC policy issue or internal VSD policy issue; e.g. no route assigned.		

Table 39-1095 VirtVpnBGPPrefixWithdrawnNotReceived

Alarm	Attributes	Applicable major releases
Name: VirtVpnBGPPrefixWithdrawnNotReceived (5433) Type: virtualPortAlarm (133) Package: dctr Raised on class: dctr.VirtualPort	Severity: major Implicitly cleared: true Default probable cause: VportAddressMismatchWithBgpRoute (2134)	Unspecified
<b>Description:</b> The alarm is raised when there is no route on virtual port whereas BGP RIB has a route or routes which do not match.		
<b>Remedial action:</b> There is no route on virtual port whereas BGP RIB has a route or routes which do not match. Check compute and Nuage virtualization policies.		

Table 39-1096 VlanPathModified (mpr)

Alarm	Attributes	Applicable major releases
Name: VlanPathModified (3936) Type: communicationsAlarm (4) Package: mpr Raised on class: mpr.MprVII	Severity: minor Implicitly cleared: true Default probable cause: PathChanged (1519)	Unspecified
<b>Description:</b> The alarm is raised when the radio link between two hops of a VLAN path is down.		
<b>Remedial action:</b> Informational - If VLAN Path changed.alarmRemedialAction.mpr.		

Table 39-1097 VlanPathModified (vlan)

Alarm	Attributes	Applicable major releases
Name: VlanPathModified (3936) Type: communicationsAlarm (4) Package: vlan Raised on class: vlan.Vlan	Severity: minor Implicitly cleared: true Default probable cause: PathChanged (1519)	Unspecified
<b>Description:</b> The alarm is raised when the radio link between two hops of a VLAN path is down.		
<b>Remedial action:</b> Informational - if the VLAN Path Changed.		

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Table 39-1098 VlanSubTypeConflict

Alarm	Attributes	Applicable major releases
Name: VlanSubTypeConflict (227) Type: configurationAlarm (11) Package: vlan Raised on class: vlan.Vlan	Severity: major Implicitly cleared: true Default probable cause: topologyMisconfigured (81)	Unspecified
<b>Description:</b> The alarm is raised when more than one type of VLAN service has the same VLAN ID. The alarm is raised against a service.		
<b>Raising condition:</b> ('vlanSubTypeConflict' EQUAL 'true')		
<b>Clearing condition:</b> ('vlanSubTypeConflict' EQUAL 'false')		
<b>Remedial action:</b> Ensure that the VLAN Subtype of the Site matches the VLAN Subtype of the Service.		

Table 39-1099 VlanUplinkDown

Alarm	Attributes	Applicable major releases
Name: VlanUplinkDown (1146) Type: VlanUplinkAlarm (89) Package: service Raised on class: service.VlanUplink	Severity: major Implicitly cleared: true Default probable cause: VlanUplinkDown (852)	Unspecified
<b>Description:</b> The alarm is raised when a VLAN uplink is operationally down.		
<b>Raising condition:</b> (('Aggregation Operational State' EQUAL 'Partially Down') OR ('Aggregation Operational State' EQUAL 'Down'))		
<b>Clearing condition:</b> (('Aggregation Operational State' NOT EQUAL 'Partially Down') AND ('Aggregation Operational State' NOT EQUAL 'Down'))		
<b>Remedial action:</b> Check the underlying physical link for the SAPs.		

Table 39-1100 VlanUplinkNotCreated

Alarm	Attributes	Applicable major releases
Name: VlanUplinkNotCreated (1147) Type: VlanUplinkAlarm (89) Package: service Raised on class: service.Service	Severity: major Implicitly cleared: true Default probable cause: VlanUplinkNotCreated (853)	Unspecified
<b>Description:</b> The alarm is raised when an expected VLAN uplink does not exist.		
<b>Remedial action:</b> Make sure the two participating ports which hold the uplink SAPs of the service are physically connected and operationally up. And make sure a physical link is created and is operationally up either by enabling LLDP or manually creating a physical link between those ports. If the physical link already exists and operationally up, make sure the uplink SAPs has been created with matching encapsulation values, in case the uplink SAPs has already been created with different encapsulation values, please delete those uplink SAPs and create the uplink SAPs with same encapsulation values.		



Table 39-1101 VoiceChannelLoopback

Alarm	Attributes	Applicable major releases
Name: VoiceChannelLoopback (1148) Type: configurationAlarm (11) Package: tdmequipment Raised on class: tdmequipment.VoiceChannelSpecifics	Severity: warning Implicitly cleared: true Default probable cause: voiceChannelLoopback (854)	Unspecified
<b>Description:</b> The alarm is raised when an NE reports that a voice channel has a loopback alarm condition.		
<b>Remedial action:</b> Informational only.		

Table 39-1102 vPortHostMatchFailure

Alarm	Attributes	Applicable major releases
Name: vPortHostMatchFailure (3628) Type: configurationAlarm (11) Package: equipment Raised on class: equipment.Port	Severity: major Implicitly cleared: false Default probable cause: tPortEgrVPortHostMatchFailure (1413)	Unspecified
<b>Description:</b> The alarm is raised when a host match lookup fails to resolve the egress virtual port.		
<b>Remedial action:</b> This alarm is raised when the subscriber host with an intermediate destination ID that does not match the host-match destination set under the V-port. Modify the intermediate destination ID of the subscriber host to match the host-match defined in the v-port; Or modify the host-match destination ID to match the intermediate destination ID of the subscriber host.		

Table 39-1103 VprnTypeMismatched

Alarm	Attributes	Applicable major releases
Name: VprnTypeMismatched (8149) Type: configurationAlarm (11) Package: vprn Raised on class: vprn.Vprn	Severity: major Implicitly cleared: false Default probable cause: vprnTypeMismatched (2545)	Unspecified
<b>Description:</b> The alarm is raised when the newly created VPRN Site has a VPRN type that is of a different topology from existing VPRN Sites of the service, i.e, mesh vs hub/spoke, or vice versa.		
<b>Remedial action:</b> A configuration error has occurred which should be corrected. The VPRN type of the created site is of a different topology type from the existing VPRN Sites of the service, i.e., mesh and hub/spoke sites shall not be mixed in the same service. The service shall be deleted and re-created with consistent type.		

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Table 39-1104 VSiteServiceImpacted

Alarm	Attributes	Applicable major releases
Name: VSiteServiceImpacted (5430) Type: serviceAlarm (16) Package: dctr Raised on class: dctr.AbstractVirtualSite	Severity: info Implicitly cleared: true Default probable cause: VirtualPortReachability (2131)	Unspecified
<b>Description:</b> The alarm is raised on the VSite object when there is an alarm on VPort that affects service.		
<b>Remedial action:</b> One or more virtual ports are down or have BGP reachability problem such as stuck or unreachable prefix. This alarm can be cleared when the corresponding alarms on virtual ports are cleared.		

Table 39-1105 VwmShelfCardRemoved

Alarm	Attributes	Applicable major releases
Name: VwmShelfCardRemoved (5661) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VWMCARDSlot	Severity: major Implicitly cleared: true Default probable cause: VwmShelfCardRemoved (2438)	Unspecified
<b>Description:</b> The alarm is raised when a vwm card is removed.		
<b>Remedial action:</b> Informational - a vwm shelf card has been removed from the NE		

Table 39-1106 VwmShelfMismatch

Alarm	Attributes	Applicable major releases
Name: VwmShelfMismatch (4941) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VwmShelf	Severity: major Implicitly cleared: true Default probable cause: VwmShelfMismatch (2000)	Unspecified
<b>Description:</b> The alarm is raised when the configured vwm shelf id is different than the equipped vwm shelf.		
<b>Remedial action:</b> This alarm is raised when the detected VWM shelf id does not match the provisioned id. Please follow the below steps to clear this alarm: a. Check the id on the rotary dial on the VWM Shelf. b. Use any of the following commands to clear the alarm. c. To change the VWM shelf id("config system vwm-shelf <shelf-id> . d. To delete an existing shelf("config system no vwm-shelf <shelf-id>").		

Table 39-1107 VwmShelfRemoved

Alarm	Attributes	Applicable major releases
Name: VwmShelfRemoved (4942) Type: equipmentAlarm (3) Package: equipment Raised on class: equipment.VwmShelf	Severity: major Implicitly cleared: true Default probable cause: VwmShelfRemoved (2001)	Unspecified
<b>Description:</b> The alarm is raised when a vwm shelf is removed.		
<b>Remedial action:</b> Informational - a vwm shelf has been removed from the NE		

Table 39-1108 WlanGwTuQosProblem

Alarm	Attributes	Applicable major releases
Name: WlanGwTuQosProblem (3915) Type: resourceAlarm (28) Package: wlangw Raised on class: wlangw.IsaMember	Severity: minor Implicitly cleared: true Default probable cause: resourceFull (53)	Unspecified
<b>Description:</b> The alarm is raised when a resource issue occurs while creating a WLAN Gateway tunnel QoS infrastructure instance.		
<b>Remedial action:</b> This may be a temporary phenomenon. If it persists, the QoS configuration or the scaling may have to be modified to ensure enough resources are available for the UE QoS.		

Table 39-1109 WMMPMFileNotificationMissing

Alarm	Attributes	Applicable major releases
Name: WMMPMFileNotificationMissing (5387) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: critical Implicitly cleared: false Default probable cause: PMFileNotificationMissing (2105)	Unspecified
<b>Description:</b> This alarm is raised when a PM File notification is expected from the node, but has not been received after a certain period of time.		
<b>Remedial action:</b> SAM has not received a PM File notification from the node, and may have missed retrieving PM Files. Ensure that the node has PMEnabled and PMFileEvent values set to true. Ensure a PM job is active with an intended schedule. If the problem persists please contact Alcatel-Lucent support for assistance. This alarm notification can be turned off under the General tab in the MME Instance.		

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Table 39-1110 WMMUEOccupiedSlotsExceeded

Alarm	Attributes	Applicable major releases
Name: WMMUEOccupiedSlotsExceeded (5050) Type: communicationsAlarm (4) Package: Itemme Raised on class: Itemme.MmeInstance	Severity: info Implicitly cleared: false Default probable cause: ThresholdExceeded (2052)	Unspecified
<b>Description:</b> The alarm is raised when the number of WMM UE Occupied Slots exceeds the threshold that has been set by the operator.		
<b>Raising condition:</b> (('WMM UE Occupied Slots Threshold' NOT EQUAL '0L') AND ('WMM UE Occupied Slots' > 'WMM UE Occupied Slots Threshold'))		
<b>Remedial action:</b> Informational - no corrective action required.		

Table 39-1111 WppHostAuthenticationFailed

Alarm	Attributes	Applicable major releases
Name: WppHostAuthenticationFailed (3916) Type: processingErrorAlarm (81) Package: wpp Raised on class: wpp.Portal	Severity: major Implicitly cleared: false Default probable cause: portalWppHostAuthenticationFailure (1501)	Unspecified
<b>Description:</b> The alarm is raised when a WPP host cannot be authenticated.		
<b>Remedial action:</b> The recovery action will depend on the exact failure cause as given by the failureReason.		

Table 39-1112 WppPortalUnreachable

Alarm	Attributes	Applicable major releases
Name: WppPortalUnreachable (5421) Type: ProtocolAlarm (1) Package: wpp Raised on class: wpp.Portal	Severity: minor Implicitly cleared: false Default probable cause: protocolDown (1)	Unspecified
<b>Description:</b> This alarm is raised when WPP protocol messages are sent out after a node is restarted but no route to the web portal is available. This notification is sent every minute while the portal remains unreachable up to a certain time. After that, all WPP messages to that portal are dropped.		
<b>Remedial action:</b> Initially no recovery is required as it is expected that the WPP portal can be unreachable for some time after a node restart. When the problem remains, the operator should check the routing table.		

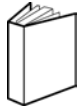
**Table 39-1113 XPICCableLoss**

Alarm	Attributes	Applicable major releases
Name: XPICCableLoss (4851) Type: communicationsAlarm (4) Package: mwa Raised on class: mwa.PortTermination	Severity: variable Implicitly cleared: true Default probable cause: DemodulatorXPICLossOfSignal (1928)	Unspecified
<b>Description:</b> The alarm is raised when a MPT detects a XPIC plug-in cable loss		
<b>Remedial action:</b> Please refer to either 9500 or 7705 Node Maintenance manual for remedial action information.		

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# Customer documentation and product support



## Customer documentation

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## Technical Support

<http://support.alcatel-lucent.com>



## Documentation feedback

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